

19990917.qrp v01_n582.qrl.990917

Date: Fri, 17 Sep 1999 19:03:11 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1582

QRP-L Digest 1582

Topics covered in this issue include:

- 1) [50537] Back to basics
by Nils R Young <nilsbull@juno.com>
- 2) [50538] Re: Standoffs & Horizontal Loop
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 3) [50539] FS: 10m yagi (the QRP kicker!)
by Allan G Taylor <k7gt@arrl.net>
- 4) [50540] The Mailman is my FRIEND!
by Brian Murrey <brian@iquest.net>
- 5) [50541] Re: Headphones
by "Nick Kennedy" <nkennedy@cswnet.com>
- 6) [50542] Re:AEA IsoLoop for sale
by "Stephen Gibson" <wb4nbi@worldnet.att.net>
- 7) [50543] RE: handkey update
by "Mike D." <hrg@megsinet.net>
- 8) [50544] New insight to Ham radio... Hur. Floyd
by KF4EIB@aol.com
- 9) [50545] QRPp is at home.
by "Jean Jibouleau" <jiboulj@globetrotter.net>
- 10) [50546] RS HTX-10
by mjfitz@uswest.net
- 11) [50547] 40 meter obituary
by "wb8qyy" <wb8qyy@one.net>
- 12) [50548] HELP! sick DSW-20
by jmbrown@edge.net (JERRY BROWN)
- 13) [50549] Pre-QRP Afield Solar Stuff
by "Paul Harden, NA5N" <na5n@rt66.com>
- 14) [50550] Travel Plans
by mwattcpa@earthlink.net (Marty Watt)
- 15) [50551] That WaCkY AtOmIC cL0cK!
by "Paul R. Valko" <prvalko@oakland.edu>
- 16) [50552] 1999 ZOMBIE SHUFFLE 10-29
by "Paul Harden, NA5N" <na5n@rt66.com>
- 17) [50553] OT: New Super Nova in Sagittarius
by "Paul Harden, NA5N" <na5n@rt66.com>
- 18) [50554] 2-Way NC-20 QSO
by Richard Arland <k7sz@epix.net>
- 19) [50555] Re: 1999 ZOMBIE SHUFFLE 10-29

- by jmbrown@edge.net (JERRY BROWN)
- 20) [50556] Re: NORCAL's toroid kit - designers info [long]
by "Nick Kennedy" <nkennedy@cswnet.com>
- 21) [50557] Fun QSO with Storm Station
by Pete Burbank <plburbank@kih.net>
- 22) [50558] Re: BATTERY RATING QUESTION
by Russ Dow <n7dw@garlic.com>
- 23) [50559] Second thoughts - QRP-L and "happy dances"
by Macstein@aol.com
- 24) [50560] fs- 40 mtr QRPP xmtrs, Agn!
by RLucch2098@aol.com
- 25) [50561] Re: Second thoughts - QRP-L and "happy dances"
by Brian Murrey <brian@iquiest.net>
- 26) [50562] Antenna Tuners
by mwattcpa@earthlink.net (Marty Watt)
- 27) [50563] Zero Beat indicator
by Jeff Grudin <grudin@vddb.com>
- 28) [50564] Re: Antenna Tuners
by Brian Murrey <brian@iquiest.net>
- 29) [50565] ZM-2 Complete
by Phil Wheeler <w7ox@mindspring.com>
- 30) [50566] Re: Zero Beat indicator
by GElam30092@aol.com
- 31) [50567] RE: SLV 101 Quiz
by aweiss@usd.edu (Ade Weiss W0RSP)
- 32) [50568] Re: That WaCkY AtOmIC cL0cK!
by Jeff Francis <jfrancis@frii.com>
- 33) [50569] MiniBeams
by aweiss@usd.edu (Ade Weiss W0RSP)
- 34) [50570] Re: SLV 101 Quiz
by "Dave Fifield" <fifield@pacbell.net>
- 35) [50571] Tuna Tin 2 transmitter
by charles k brown <n4so@juno.com>
- 36) [50572] FS-SW 40 plus RIT & enclosure
by Dan Presley <talljazz@teleport.com>
- 37) [50573] WB5QYT contest agenda
by tom whalen <wb5qyt@eFortress.com>
- 38) [50574] WB5QYT contest agendapart 11
by tom whalen <wb5qyt@eFortress.com>
- 39) [50575] Re: HeathKit HW-8
by wa8rxi@juno.com
- 40) [50576] Re: Antenna Tuners
by mikemo@ibm.net
- 41) [50577] Re: SLV 101 Quiz
by mikemo@ibm.net
- 42) [50578] Re: BATTERY RATING QUESTION
by mikemo@ibm.net
- 43) [50579] Re: Antenna Tuners

by "Chuck Carpenter" <w5usj@globeco.net>
44) [50580] Re: MiniBeams
by "William R. Colbert" <af852@rgfn.epcc.edu>
45) [50581] My turn!
by Brian Murrey <brian@iquest.net>
46) [50582] band conditions / 1000 mpw
by "Joel Kluender, NF9K" <nf9k@eudoramail.com>
47) [50583] Re: ZM-2 Complete
by "Hugo Catta" <h.catta@worldnet.att.net>
48) [50584] Re: ZM-2 Complete
by Phil Wheeler <w7ox@mindspring.com>
49) [50585] Re: Antenna Tuners
by Steve Kubisch <WW7Y@sisna.com>
50) [50586] Re: Antenna Tuners
by Karl.Kanalz@optelinc.com
51) [50587] site updates
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
52) [50588] Re: Antenna Tuners
by "Mike Yetsko" <myetsko@insydesw.com>
53) [50589] Re: Antenna Tuners
by "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
54) [50590] Re-Antenna Tuners
by "Bob Reynolds" <breynold@sigg.com>
55) [50591] OT ? QRO . Re: Antenna Tuners
by "Hugo Catta" <h.catta@worldnet.att.net>
56) [50592] ZERO BEAT INDICATOR
by chuck.olson@sbaonline.gov
57) [50593] Remote VFO for TS-130, CW filter and other items FS
by "Ken Simpson" <W8EK@fdt.net>
58) [50594] Virginia Beach Hamfest (Sat) eyebal QSO
by Michael Bower <bowerm@ix.netcom.com>
59) [50595] Re: That WaCkY AtOmIC cLOcK!
by Bruce Grubbs <bog@flagstaff.az.us>
60) [50596] QRP Contesting This Weekend
by Ken Newman <N2CQ@citnet.com>
61) [50597] good grief!
by Bruce Rattray <rattray@gpfn.sk.ca>
62) [50598] Help audio transformer
by wj5o@juno.com
63) [50599] Re: ZERO BEAT INDICATOR
by "George T. Baker" <w5yr@swbell.net>
64) [50600] Pacificon 2000
by Tony Fishpool <g4wif@btinternet.com>
65) [50601] RE: SLV 101 Quiz (Follow-up)
by David Gauding <david.gauding@bbs.galilei.com>
66) [50602] Wanted: OHR WM-2
by "Jack Oakland, CA" <w6abc@yahoo.com>
67) [50603] Declining Nerd Factor, Pacificon Fun. 10 MHz OCX0's

- by Ed Loranger <we6w@qsl.net>
- 68) [50604] OT: RE: That WaCkY AtOmIC cL0cK!
by "Kory Hamzeh" <kory@avatar.com>
- 69) [50605] WTB: OHR WM-2 Wattmeter
by "Jack Oakland, CA" <w6abc@yahoo.com>
- 70) [50606] ID Bird Wattmeter Help
by wj5o@juno.com
- 71) [50607] Re: The Black Cat Tuna Tin 2 Event
by Bill B Lazure <n2tpa@juno.com>
- 72) [50608] Memory Upgrade
by "Junius Fox" <w5hir@ghg.net>
- 73) [50609] Simpson 265
by "Richard Hensel" <rrhensel@sprintmail.com>
- 74) [50610] Re: ID Bird Wattmeter Help
by "Radman" <radman@best.com>
- 75) [50611] RE: BATTERY RATING QUESTION
by Sam Billingsley <SBillingsley@usaninc.com>
- 76) [50612] Bird Electronics Corporation
by charles k brown <n4so@juno.com>
- 77) [50613] test ignore
by "Jack Oakland, CA" <w6abc@yahoo.com>
- 78) [50614] Want:OHR WM-2 Wattmeter
by "Jack Oakland, CA" <w6abc@yahoo.com>
- 79) [50615] Test
by "Howard" <howardw7ilw@earthlink.net>
- 80) [50616] ZERO BEAT INDIC
by chuck.olson@sbaonline.gov
- 81) [50617] Re: Headphones [connections]
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 82) [50618] 20 meter rig
by "A. Jenkins" <beaks@westco.net>
- 83) [50619] Re: That WaCkY AtOmIC cL0cK!
by K2UD@aol.com
- 84) [50620] Newbie VE3DNL MG Questions...
by "Hanson Family" <hansfam@midcoast.com>
- 85) [50621] QRPp Spring - page 74
by Bruce Rattray <rattray@gpfn.sk.ca>
- 86) [50622] Re: Antenna Tuners
by Christian Void <cvoid@netcom.com>
- 87) [50623] TenTec QRP goodies FS
by "Ken Simpson" <W8EK@fdt.net>

Date: Wed, 15 Sep 1999 13:33:19 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [50537] Back to basics

Message-ID: <19990916.155405.19190.0.nilsbull@juno.com>

Fellow loonies,

I just got the most recent "TechAmerica"/Radio Shack catalog. Looks like pretty much the same stuff 'cept for a couple things that were just "different." I was hoping to find a picture or at least some info on this HTX-10 squabble that's been going on long enough for me to have to go back to four or five days ago to find the origin of the debate. Didn't find that. Nor the origin of the debate. (Still like to see what the squawk is.)

So . . . 12m seems to be coming alive a bit now and then. Heard a couple CW sigs there last night while proving to myself that tuning an IF can by peaking the perceived (as opposed to received) signal on the narrowest filter setting does actually mean something if you use an AF meter instead of my ears. (Now I'm beginning to remember the little "SINADDER" meters that were such a necessary toy years ago.)

Now all I need is the time to do it.

But the Z-match tuner that I use is so much more definitive (best word I can find for it . . .) with the crummy 28 ft metal pole what holds up the perverted V antenna. I mean, it's fed with about six feet of RG8, with the center only connected to the pole about 5 ft off the ground. The pole is insulated from ground at the base with a piece of PVC pipe coupling stock. I even got it to tune on 80m CW. The input/loading cap is closer to at least half meshed under this situation. Output loop grounded at one side.

When I use a piece of wire up the fiberglass mast or the 300 Ohm feed to the perverted V, the tuning is much sharper & the input/coupling cap is nearly at minimum value . . . on all bands attempted so far.

This is the fun part of all the techno stuff: trying to figure out what makes this stuff act almost as weird as I do. But that's another story.

Nice repeat QSO with CO20R/Rupe last night on 30m. I'm always tempted to say "Hey, if you see Arnie Coro, tell him El Gringo Errante said 'Hola'." Not bad for a 28 ft metal pole.

73

Nils

. . . my new radio pages are up at <<http://home.fiberia.com/wb8ijn>>

Nils R. Bull Young :: La Estancia de los Guajolotes Sonrientes
WB8IJN &c :: The Tagalong Press :: email to nilsbull@juno.com

"In my day we had to FIGHT to have metal poles! Every day was a struggle!"

-- Comrade Sergei Nikolaievich

McTovarishov

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 16 Sep 1999 18:14:54 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: jbartac@max.state.ia.us, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [50538] Re: Standoffs & Horizontal Loop
Message-ID: <005001bf0099\$49dbc880\$9b37a497@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Jerry,

In the spring 1999 issue of SPRAT (nr. 98) on page 29, Dave Lunn, G3LSL describes his good luck using his "Guttersnipe" antenna with 3 watts output. The overall loop length is about 160 feet and he uses a home-built "Z-match" antenna tuner with it. It is about 25 feet high in .

I'm sure there are loses but sometimes "ya gotta do what ya gotta do". Besides, sometimes you can work the world with an antenna and not realize how inefficient it is until you compare it to a good antenna :-)

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://home.swbell.net/aa5tb>

Date: Thu, 16 Sep 1999 16:21:42 -0700
From: Allan G Taylor <k7gt@arrl.net>
To: qrp-l@lehigh.edu
Subject: [50539] FS: 10m yagi (the QRP kicker!)
Message-ID: <37E17B86.5F0E@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Cushcraft XM-510 5-el 10M yagi for sale. \$125 (firm) plus shipping. Can transport within 100 mi of SF Bay area CA. A little farther is negotiable. No trades this time.

Allan K7GT

k7gt@arrl.net

Date: Thu, 16 Sep 1999 18:45:17 -0500
From: Brian Murrey <brian@iquest.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [50540] The Mailman is my FRIEND!
Message-ID: <37E1810D.BAF5E1D9@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Check out my new and improved signature line...the mailman was GOOD to me today. I received my FISTS Century Award AND...this is one I love....the FISTS 1X QRP Century Award!!!

I just love this hobby!

Now if I can just get my WAS QRP 40 finished up, I can then buy a 20M rig and go for DXCC or something. The way my logbook looks lately, I must be doing the "Worked all Bobs" contest. 7 out of the last 13 QS0's have been with a Bob.

72!

--

=====
KB9BVN -NORCAL #2792 FISTS #5695 QRP-L #1540
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - NORCAL 40A - Attic Dipole - 1.5w
Proud member of the American Radio Relay League
Foxhunting Team UNDERDOG - Underdog #4
FISTS Century Club #764 - FISTS QRP Century Club #24
=====

Date: Thu, 16 Sep 1999 19:04:00 -0500
From: "Nick Kennedy" <nkennedy@cswnet.com>
To: <leinwebe@mcmail.cis.McMaster.CA>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [50541] Re: Headphones
Message-ID: <001501bf00a0\$2e58c480\$5c7054d8@big>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>

>OJ,
> Man, this is a controversial subject. You're getting
>into phasing sensitivity of hearing perception. And its a very
>interesting area for experimentation. Rick Campbell (of R2
>receiver fame) recently did a phasing receiver where he sent
>separate in-phase (I) and out-of-phase (Q) signals to each
>ear, in an attempt to let the "grey matter" figure out
>where sideband signals were. The result is hard to describe.

I thought the I & Q things were 90 degrees out, not 180. Not sure how that affects your preception, but ...

>I've always tried to wire stereo headphones in series, which
>raises load impedance on the audio amp, and makes it work
>less hard. But doing so means that each ear gets
>signals that have a 180 degree phase relationship.

It shouldn't have to be 180 out, should it? It seems that series or parallel, you reverse the leads on one can and you go from in to out of phase or vice versa.

72,

Nick, WA5BDU

Date: Thu, 16 Sep 1999 20:05:25 -0400
From: "Stephen Gibson" <wb4nbi@worldnet.att.net>
To: <qrp-l@Lehigh.EDU>
Subject: [50542] Re:AEA Iso-loop for sale
Message-ID: <001701bf00a0\$5ec995e0\$e27c4e0c@16>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For sale: AEA 30-10 Iso-loop w/cables, control box and manual. Never used outdoors. \$200 and I'll pay UPS.

Steve

-----Original Message-----

From: qrp-l@Lehigh.EDU <qrp-l@Lehigh.EDU>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, September 16, 1999 7:04 PM
Subject: QRP-L digest 1581

> QRP-L Digest 1581
>
>Topics covered in this issue include:
>
> 1) [50461] Re: Antenna stand-offs
> by Rick Sealey <rsealey@InfoAve.Net>
> 2) [50462] Re: OT eBay Spam Not QRP
> by "Randy Jouett" <rules@bellsouth.net>
> 3) [50463] KF4KSM on lower part of the bands, timing of upgrade /ULS,
code
> newbies
> by Macstein@aol.com
> 4) [50464] Ferrite Rod Inductors
> by charles k brown <n4so@juno.com>
> 5) [50465] Headphones
> by K10J <k10j@ditdit.com>
> 6) [50466] Need address
> by "C. Lamar Derk" <n3at@noln.com>
> 7) [50467] Re: Loop on fascia board
> by Dean W Manley <kh6b@juno.com>
> 8) [50468] aa5yx: SST sidetone
> by aa5yx@juno.com
> 9) [50469] Re: Jersey QRPers doing AFIELD this Saturday: WQ2RP
> by aa5yx@juno.com
> 10) [50470] Throwing the Sheep to the Wolves

> by K10J <k10j@ditdit.com>
> 11) [50471] E-mail filters....
> by Tom Randall <trandall@idsi.net>
> 12) [50472] Re: Throwing the Sheep to the Wolves
> by k1vp@lawson-philpot.com
> 13) [50473] ARRL DX CW Contest Results
> by Richard Sherman <srichard@aldus.northnet.org>
> 14) [50474] Re: Loop on fascia board (was Re: Antenna standoffs)
> by "Nick Kennedy" <nkennedy@cswnet.com>
> 15) [50475] Re: Headphones
> by "Nick Kennedy" <nkennedy@cswnet.com>
> 16) [50476] Re: E-mail filters....
> by "Steve Sorrell" <ap036@detroit.freenet.org>
> 17) [50477] Canadian Question
> by "Ron Polityka" <wb3aal@talon.net>
> 18) [50478] Re: QRP Afield: Reporting
> by Clay N4AOX <wyn@worldnet.att.net>
> 19) [50479] DSW-20 - First Contact
> by "Michael A. Newell" <wb4huc@texas.net>
> 20) [50480] Re: Headphones
> by "Mike Yetsko" <myetsko@insydesw.com>
> 21) [50481] RHR NC-20 On The Air
> by Richard Arland <k7sz@epix.net>
> 22) [50482] Tuna Tin 2 at W1AW
> by charles k brown <n4so@juno.com>
> 23) [50483] Re: perforated foam source?
> by Bob Hightower <ki7mn@extremezone.com>
> 24) [50484] knob "pointer" touch up
> by "Dave Benham" <dodgeboy@mindspring.com>
> 25) [50485] Re: Headphones
> by Bob Hightower <ki7mn@extremezone.com>
> 26) [50486] Re: knob "pointer" touch up
> by Terry Bendell <terryb@bmts.com>
> 27) [50487] Re: knob "pointer" touch up
> by Pete Burbank <plburbank@kih.net>
> 28) [50488] Fw: LDG AT-11 w/Enclosure & 2m Preamp
> by "Mike Rhodes" <weightdn@bright.net>
> 29) [50489] Paint those Knobs!
> by RLucch2098@aol.com
> 30) [50490] Re: knob "pointer" touch up
> by ka7you@juno.com
> 31) [50491] Re: knob "pointer" touch up
> by PUNISHER3@aol.com
> 32) [50492] Re: knob "pointer" touch up
> by D0CROCK1T@aol.com
> 33) [50493] Re: Headphones
> by guillotstutoring@juno.com
> 34) [50494] Plans for QRP Afield

> by Jeff Grudin <grudin@vdb.com>
> 35) [50495] Re: DK9SQ mast
> by Phil Wheeler <w7ox@mindspring.com>
> 36) [50496] HeathKit HW-8
> by wa8rxi@juno.com
> 37) [50497] handkey update
> by "Scott Howell" <n3byy@yahoo.com>
> 38) [50498] Whistlers and Floyd
> by John R Kirby <n3aaz-qrp@juno.com>
> 39) [50499] storm stuff
> by "Jerry W. O'Dell" <jwodell@ameritech.net>
> 40) [50500] Re: Antenna stand-offs
> by "Chuck Carpenter" <w5usj@globeco.net>
> 41) [50501] Re: Antenna stand-offs
> by "William R. Colbert" <af852@rgfn.epcc.edu>
> 42) [50502] Re: storm stuff
> by "Ken Hanks" <ken.hanks@po.state.ct.us>
> 43) [50503] storm stuff
> by "Wilford D. Lindsey" <70511.3041@compuserve.com>
> 44) [50504] The Black Cat Tuna Tin 2 Event
> by Bruce Muscolino <w6toy@erols.com>
> 45) [50505] Re: BNC's for RG-174?
> by Bill B Lazure <n2tpa@juno.com>
> 46) [50506] Weird 2n2/40 problem
> by Bill B Lazure <n2tpa@juno.com>
> 47) [50507] AR QRP 40m Net Results
> by Robsparks@aol.com
> 48) [50508] ZM-2 Construction
> by Phil Wheeler <w7ox@mindspring.com>
> 49) [50509] appology to the list members
> by ka7you@juno.com
> 50) [50510] Mailing lists and reflectors
> by charles k brown <n4so@juno.com>
> 51) [50511] Re: Headphones
> by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
> 52) [50512] QRP Afield this weekend
> by jaywa5whn@juno.com
> 53) [50513] NORCAL's toroid kit - designers info [long]
> by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
> 54) [50514] QRP AFIELD: W0CQC/7 TO ACTIVATE WYOMING!
> by "Dick Schneider" <dschneider2@uswest.net>
> 55) [50515] Re: NORCAL's toroid kit - designers info [long]
> by David Hinerman <dlh1009@ritvax.isc.rit.edu>
> 56) [50516] Re: Contest Software. Was Re: Open Letter
> by Jim Lowman <jmLowman@ix.netcom.com>
> 57) [50517] NorCal Tuna Tin Offer for Pacificon Attendees only
> by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
> 58) [50518] FS: MFJ 9040

> by "George Goodroe" <goodroe@worldnet.att.net>
> 59) [50519] Re: QRP AFIELD: W0CQC/7 TO ACTIVATE WYOMING!
> by Jim Hale <kj5tf@yahoo.com>
> 60) [50520] RAC plaques
> by Bruce Rattray <rattray@gpfn.sk.ca>
> 61) [50521] Re: NORCAL's toroid kit - designers info [long]
> by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
> 62) [50522] RE: Standoffs & Horizontal Loop
> by "Jerry Bartachek" <jbartac@max.state.ia.us>
> 63) [50523] Need Address
> by "C. Lamar Derk" <n3at@noln.com>
> 64) [50524] Re: BATTERY RATING QUESTION
> by Zack Lau <zlau@arrl.org>
> 65) [50525] RAC plaques (fwd)
> by Bruce Rattray <rattray@gpfn.sk.ca>
> 66) [50526] Re: QRP-L, Let's take it back!!!
> by "Edward A Kwik jr" <eakwikjr@hti.com>
> 67) [50527] A BIG THANK YOU!!
> by Bruce Rattray <rattray@gpfn.sk.ca>
> 68) [50528] Re: BNC's for RG174?
> by n5ib@juno.com
> 69) [50529] Re: E-mail filters....
> by "Robert Roach" <KE4QOK@worldnet.att.net>
> 70) [50530] RE: BNC's for RG174 ?
> by Michael Melland <badger@vbe.com>
> 71) [50531] Hy-Gain AV-640 Info?
> by Davewb4@aol.com
> 72) [50532] QRP plaque picture
> by Bruce Rattray <rattray@gpfn.sk.ca>
> 73) [50533] K2 & Obsessions
> by Bob Patten <n4bp@bc.seflin.org>
> 74) [50534] Re: ZM-2 Construction
> by Tom M <tjmc@erols.com>
> 75) [50535] Small Yagi beams
> by "williswonkas" <williswonkas@email.msn.com>
> 76) [50536] Pot Core Question..
> by "Phinizy, William" <wphinizy@filenet.com>
>
>-----
>
>Date: Wed, 15 Sep 1999 19:03:27 -0400
>From: Rick Sealey <rsealey@InfoAve.Net>
>To: bcutter@teal.csn.net
>Cc: qrp-l@lehigh.edu
>Subject: [50461] Re: Antenna stand-offs
>Message-ID: <4.1.19990915190117.00c77b70@mail.infoave.net>
>MIME-version: 1.0
>Content-type: text/plain; charset="us-ascii"

>
>At 08:01 AM 09/15/1999 -0600, you wrote:
>>I want to install a loop around the perimeter of my home, at the roof
line.
>>
>>Has anyone seen any sort of stand-off? I would prefer plastic or ceramic
or
>>something other than the old TV stand-offs.
>>
>>72, Bob KI0G
>-----
>
>Bob,
>
>Try the hardware stores for electric fence insulators. You can probably
>find something of suitable size and shape.
>
>72,
>Rick - W4SEA
>
>
>-----
>
>Date: Wed, 15 Sep 1999 18:05:28 -0500
>From: "Randy Jouett" <rules@bellsouth.net>
>To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: [50462] Re: OT eBay Spam Not QRP
>Message-ID: <014f01beffce\$f54b9630\$6d67d6d1@spock>
>MIME-Version: 1.0
>Content-Type: text/plain;
> charset="iso-8859-1"
>Content-Transfer-Encoding: 7bit
>
>
>-----Original Message-----
>From: Monte Stark <ku7y@dri.edu>
>To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
>Date: Tuesday, September 14, 1999 1:28 PM
>Subject: OT eBay Spam Not QRP
>
>
>Hi Ron/Gang,
>
>>Now that all the "filter everything out but "pure" posts
>>folks are out of the way.....
>>
>>Those of you who are thinking about getting a new O-scope
>>might like to know that there is now a HP scope that you

>>can talk to.....not only that, it understands what you are
>>saying!!
>
>
>Umm. THIS POST IS OFF TOPIC AND DOESN'T
>BELONG ON QRP-L!!!!!!!!!!!!!! :^) :^) :^). Just picking,
>Ron, and thanks for the info!
>
>Maybe I should post a message like this every time
>I see a "pure post" whiner post something off topic?
>That could work! :^)
>
>
>72/73,
>-----
>Randy Jouett, AB5NI
>
>
>
>-----
>
>Date: Wed, 15 Sep 1999 19:12:10 EDT
>From: Macstein@aol.com
>To: qrp-l@lehigh.edu
>Subject: [50463] KF4KSM on lower part of the bands, timing of upgrade /ULS,
code
> newbies
>Message-ID: <e4b7b1d0.251181ca@aol.com>
>MIME-Version: 1.0
>Content-Type: text/plain; charset="us-ascii"
>Content-Transfer-Encoding: 7bit
>
>Hi all!
>
>I gotta say, the lower part of the bands are sure a lot of fun! People can
>really HEAR down there. I've worked as much 2xQRP DX in the past 10 days
>that I had all year prior!
>
>Now, I did go for the new call sequentially assigned, thinking I could
always
>go back if it ended in "Q0" (GRIN). AF4PQ was assigned to a GA ham on
Sept.
>4 (the day of my testing.) My VEs assured me the forms would be forwarded
>promptly. I WOULD choose to upgrade while the FCC is implementing the ULS
>and fiddling with their database! The QRZ and ArkARC sites indicate the
>upgrade reports are not accessible to them yet. The FCC/ULS site shows me
as
>still KF4KSM. So, I wait. How long does this take? It's only been 11

days,
>but this is worse than waiting on QRPP to be delivered!
>
>Anyway, my goal was to upgrade before the restructuring. That, I have
done.
>Now my goal is to work more new hams on CW in the Novice bands than Ron
>Keener, WA0REE! Any Tech+s or Generals who want to sked practice...just
yell.
>
>72
>-MAC-
>
>-----
>
>Date: Wed, 15 Sep 1999 19:12:15 EDT
>From: charles k brown <n4so@juno.com>
>To: qrp-l@lehigh.edu
>Subject: [50464] Ferrite Rod Inductors
>Message-ID: <19990915.231031.7559.2.n4so@juno.com>
>
>The booklet is titled-
>Iron Powder and Ferrite Coil Forms-
>
>Pub. by Amidon Assoc. 85 pages// \$4.50
>Also from Bytemark as discussed earlier.
>Amidon, Inc.
>P. O. Box 25867
>Santa Ana, CA 92799
>714-850-4660
>Amidon carries the Jerry Sevick, W2FMI books
>Transmission Line Transformers, one published by
>ARRL and the other by Amidon, and also the book on
>building baluns and ununs.
>
>Ken Brown N4SO
>Mobile, AL/EM50tk
>NorCal-20/5 watts/4 ele. beam
>
>-----
>Get the Internet just the way you want it.
>Free software, free e-mail, and free Internet access for a month!
>Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.
>
>-----
>
>Date: Wed, 15 Sep 1999 18:29:56 -0500
>From: K10J <k10j@ditdit.com>
>To: QRP-L Discussion <qrp-l@Lehigh.EDU>

>Subject: [50465] Headphones
>Message-ID: <006b01beffd2\$388c81e0\$3cb83ed8@swbell.net>
>MIME-version: 1.0
>Content-type: text/plain; charset="iso-8859-1"
>Content-transfer-encoding: 7bit
>
>Howdy All...
>I was recently at a friends station and we were listening to the difference
>between his Heil headphones and mine. I could not figure out why his had
>an
>'easier' to hear cw note. Finally he told me he had reversed the plus and
>minus wires on only one ear element. The improvement was notable. How does
>this work?
>
>OJ---K10J
>QRP-L #732
>..
>
>
>
>-----
>
>Date: Wed, 15 Sep 1999 19:46:48 -0700
>From: "C. Lamar Derk" <n3at@noln.com>
>To: -Reflector <qrp-l@lehigh.edu>
>Subject: [50466] Need address
>Message-ID: <37E05A17.E932D257@noln.com>
>MIME-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>Content-Transfer-Encoding: 7bit
>
>Hi Gangue -
>
>Just reporting on a delightful QSO I had this evening on 40 meters.
>Worked John F. Harper, AA5YX, who was using his just completed NorCal
>SST - he built it in one day! And I think I was his second contact. I
>would like to send him my QSL, but don;t have his current address, He is
>in Wayne, NJ. If anyone can give me his street address and zip code, it
>would be much appreciated!
>
>72 de Lamar
>
>
>-----
>
>Date: Wed, 15 Sep 1999 19:41:02 EDT
>From: Dean W Manley <kh6b@juno.com>
>To: qrp-l@Lehigh.EDU

>Cc: kh6b@juno.com
>Subject: [50467] Re: Loop on fascia board
>Message-ID: <19990915.134624.5391.0.kh6b@juno.com>
>
>The alternative to the "hot glue" idea...
>
>I installed my "invisible quad" under the eaves,
>using a staple gun. This was at a previous location.
>Actually, it was a "one-turn loop" around the house.
>BTW, a great NVIS antenna.
>
>Aloha,
>Dean KH6B
>Hilo Hawaii
>
>-----
>Get the Internet just the way you want it.
>Free software, free e-mail, and free Internet access for a month!
>Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.
>
>-----
>
>Date: Wed, 15 Sep 1999 19:47:30 -0400
>From: aa5yx@juno.com
>To: QRP-L@Lehigh.EDU
>Subject: [50468] aa5yx: SST sidetone
>Message-ID: <19990915.194731.16798.2.aa5yx@juno.com>
>
>They say that if you only have one clock, you always know the correct
>time but if you have two, you are never quite certain which clock is
>correct. I now have 2 SSTs - one for 30m and one for 40m (which I just
>completed today) and they both have quite different sidetone pitches.
>
>The sidetone in the 40m version is a lot higher than that in the 30m rig,
>but according to the troubleshooting guide, I can adjust this tone by
>changing C10. My first question is, whether or not I make this
>adjustment, do I tune to a station by matching his tone to that of my own
>sidetone, even though the sidetone in my 40m SST seems higher than I
>think it should be?
>
>And part 2 of the question is, to lower the tone, should C10 be a higher
>or lower value? I'm betting it should higher but if anyone knows for
>sure, it might save me a step in unsoldering/resoldering!
>
>FWIW, the new rig works great. I just had my 1st QSO with it with W8IMP
>in Detroit and then was called by N3AT in PA who gave it a thumbs up.
>
>Thanks and 72,

>
>John Harper AA5YX/2
>HW-9, OHR-100A/20m, NC40A, SST/40, SST/30, NC20
>YashicaMat 124G Info Page: <http://home.att.net/~j..harper>
>
>
>-----
>Get the Internet just the way you want it.
>Free software, free e-mail, and free Internet access for a month!
>Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.
>
>-----
>
>Date: Wed, 15 Sep 1999 19:46:49 -0400
>From: aa5yx@juno.com
>To: njqrp@njqrp.org
>Cc: qrp-1@Lehigh.EDU
>Subject: [50469] Re: Jersey QRPers doing AFIELD this Saturday: WQ2RP
>Message-ID: <19990915.194731.16798.1.aa5yx@juno.com>
>
>>So, George N2APB and Dave N2ZHY will be pitchin' tents and
>>antennas in the park for an all-afternoon AFIELD event and
>>an all-night QRP operating adventure! Tony W2GUM will be
>>bringing his much-heralded 30-foot DK9SQ antenna (also
>>holding a 20m delta loop) and Gummer Tilt-Over Base to help
>>us in the park.
>
>>72, George N2APB
>> n2apb@amsat.org
>
>I'll be there with tent and rig as well. I don't know which rig to bring
>but I'll probably use my car battery for power. Have I read the posts
>correctly in that there will be antennas galore and I would only need to
>bring a rig and not my own antenna?
>
>I will be on site early to help with antennas and will have my MFJ
>antenna analyzer as well. And I guess with Floyd coming thru, the
>charcoal restrictions in NJ parks has been lifted. Anyone know if there
>are grills at this location?
>
>See yall Saturday,
>
>John Harper AA5YX/2
>HW-9, OHR-100A/20m, NC40A, SST/40, SST/30, NC20
>YashicaMat 124G Info Page: <http://home.att.net/~j..harper>
>
>
>-----
>Get the Internet just the way you want it.
>Free software, free e-mail, and free Internet access for a month!

>Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.
>
>-----
>
>Date: Wed, 15 Sep 1999 18:57:55 -0500
>From: K10J <k10j@ditdit.com>
>To: QRP-L Discussion <qrp-l@Lehigh.EDU>
>Cc: NARS <nars@onelist.com>
>Subject: [50470] Throwing the Sheep to the Wolves
>Message-ID: <007701beffd6\$21065560\$3cb83ed8@swbell.net>
>MIME-version: 1.0
>Content-type: text/plain; charset="iso-8859-1"
>Content-transfer-encoding: 7bit
>
>Howdy...
>Let me introduce the players...
>The Sheep: Elecraft K2 and Oak Hills Research OHR-400
>The Wolves: Icom IC-775dsp, Yeasu FT-1000d, Ten Tec Omni VI+, Kenwood
>TS-850, Ten Tec Triton IV
>Why these rigs? Because these are the ones available to me.
>What is the purpose? Receiver performance comparison under real world
>conditions.
>How was the comparison made? Four or more of the Wolves on line
>simultaneously with the Sheep. Same antenna, same rx signal.
>Results? To follow.....
>
>What is really happening here is that I found myself with all these rigs
and
>I just could not resist. The preliminary results are truly enlightening at
>least to me and sure to be controversial. Anyone can compare Specs and
>determine which should be the best. I don't look at it that way. I want the
>put them all on line and 'see' what I can or cannot hear.
>
>Stay tuned for more. Complete results in a week or two.
>
>
>OJ---K10J
>QRP-L #732
>..
>
>
>
>-----
>
>Date: Wed, 15 Sep 1999 19:58:56 -0400
>From: Tom Randall <trandall@idsi.net>
>To: qrp-l@Lehigh.EDU
>Subject: [50471] E-mail filters....

[illegible]

>
>
>> The preliminary results are truly enlightening at
>> least to me and sure to be controversial. Anyone can compare Specs and=
>
>> determine which should be the best. I don't look at it that way. I=20
>want the
>> put them all on line and 'see' what I can or cannot hear.
>
>> Stay tuned for more. Complete results in a week or two.
>
>
>Well, I am very curious what the prelim results were at least. This=20
>is
>almost a tease. <G> At least something until the full report. My=20
>personal prejudice
>is that the OHR 400 has one of the cleanest sounding receivers around.=20
> Not saying
>you can hear what cannot be heard with others, just the signals are=20
>very clean and well defined.
>
>Ed Lawson
>K1VP
>
>
>
>
>-----
>
>Date: Wed, 15 Sep 1999 20:29:56 -0700
>From: Richard Sherman <srichard@aldus.northnet.org>
>To: qrp-1@Lehigh.EDU
>Subject: [50473] ARRL DX CW Contest Results
>Message-ID: <3.0.6.32.19990915202956.00c84a00@aldus.northnet.org>
>Mime-Version: 1.0
>Content-Type: text/plain; charset="us-ascii"
>
>Although this has been brought up before regarding other contests, it's
>still interesting to look at. While looking over the single op results in
>the October 1999 QST, I counted roughly 31 sections in the continental US
>that did not have a QRP score listed. That's close to half the continental
>US sections. There were 3 Canadian QRPers listed that I saw, I may have
>missed one. Three of the larger sections, with what appeared to be the
>highest total of entries each, Eastern Mass, Western NY, and Illinois, did
>not have a QRP entry. Many sections only had one QRP entry.
>We need to improve this. Please send in your logs. Even if you only made
>one contact, you might just win a certificate for your section.
>72 de Rick WZ2T NNY

>
>
>srichard@northnet.org
> ---If you're not part of the solution,
> You're part of the precipitate.---
> Steven Wright
>
>
>-----
>
>Date: Wed, 15 Sep 1999 20:03:04 -0500
>From: "Nick Kennedy" <nkennedy@cswnet.com>
>To: <w4pj@w4bkkx.ampr.org>, "Low Power Amateur Radio Discussion"
<qrp-1@Lehigh.EDU>
>Subject: [50474] Re: Loop on fascia board (was Re: Antenna standoffs)
>Message-ID: <005001beffdf\$3dd965c0\$a8c888d1@big>
>MIME-Version: 1.0
>Content-Type: text/plain;
> charset="iso-8859-1"
>Content-Transfer-Encoding: 7bit
>
>
>-----Original Message-----
>From: w4pj@w4bkkx.ampr.org <w4pj@w4bkkx.ampr.org>
>
>
>>I used insulated wire and a hot glue gun. Glued the wire in place abt.
>>every foot or so and painted over it. Actually I painted the entire
>trim.<g>
>>It was nearly invisible. Used Latex paint.
>>
>>de (Scott) W4PJ
>>(Don't make something complicated out of something simple.)
>>
>
>And I bet your method stands a much better chance of winning spousal
>approval than the one with standoffs circling the whole house! We're
living
>in a Tesla coil!
>
>Nick
>
>
>-----
>
>Date: Wed, 15 Sep 1999 20:12:23 -0500
>From: "Nick Kennedy" <nkennedy@cswnet.com>
>To: <k1oj@ditdit.com>, "Low Power Amateur Radio Discussion"

<qrp-1@Lehigh.EDU>
>Subject: [50475] Re: Headphones
>Message-ID: <006b01beffe0\$89310180\$a8c888d1@big>
>MIME-Version: 1.0
>Content-Type: text/plain;
> charset="iso-8859-1"
>Content-Transfer-Encoding: 7bit
>
>Well, assuming the mfr bothered to make them be in phase in the first
>place, I guess it would make them be out of phase. Why this would sound
>better, I have no idea.
>
>In stereo (speaker) systems, you take pains and perform tests to make sure
>the speakers are in phase. Out of phase interaction cancels the sound,
>especially the bass.
>
>I always figgered with phones, since the sounds don't get to interact, it
>wouldn't make any difference. Maybe they interact inside your noggin.
>
>Nick, WA5BDU
>
>-----Original Message-----
>From: K10J <k10j@ditdit.com>
>
>
>>Howdy All...
>>I was recently at a friends station and we were listening to the
difference
>>between his Heil headphones and mine. I could not figure out why his had
>an
>>'easier' to hear cw note. Finally he told me he had reversed the plus and
>>minus wires on only one ear element. The improvement was notable. How
does
>>this work?
>
>
>
>-----
>
>Date: Thu, 16 Sep 1999 01:13:46 +0100
>From: "Steve Sorrell" <ap036@detroit.freenet.org>
>To: <trandall@idsi.net>, "Low Power Amateur Radio Discussion"
<qrp-1@Lehigh.EDU>
>Subject: [50476] Re: E-mail filters....
>Message-ID: <012401beffd8\$5911a520\$c642b3c7@sorrells>
>MIME-Version: 1.0
>Content-Type: text/plain;
> charset="iso-8859-1"

>Content-Transfer-Encoding: 7bit
>
>You got that right Tom, get something new. I went from 220 messages a day
>to 80 with filters. I plan to tighten the filters even more.
>de Steve, W8SFF
>
>
>-----
>
>Date: Wed, 15 Sep 1999 21:21:41 -0400
>From: "Ron Polityka" <wb3aal@talon.net>
>To: "QRP-L" <qrp-l@Lehigh.EDU>
>Subject: [50477] Canadian Question
>Message-ID: <005301beffe1\$d5f6d340\$c0e508cf@wb3aal>
>MIME-Version: 1.0
>Content-Type: text/plain;
> charset="iso-8859-1"
>Content-Transfer-Encoding: 7bit
>
>Hello,
>
> I will keep it brief. Does anyone know of any Hamfest
>in Toronto , Ontario area? This is for a friend that is
>getting started in QRP and would like to pick up some
>parts for homebrewing.
>
>Thanks,
>72 & 73
>Good DXing
>
>Ron Polityka
>de WB3AAL
>wb3aal@talon.net
>
>vvv Eastern Pennsylvania QRP Web Page vvv
>http://www.kpsnet.com/wb3aal/Start_Page.htm
>Eastern Pennsylvania QRP Club Call --> N3EPA
>
>EPA QRP #1 NJ QRP #179
>KL7 QRP # 309 G-QRP # 3031
>ARCI QRP # 5318 10 - X #13173
>NorCal Zombie #625
>ARS # 380
>
>SETI @ Home Project
><http://setiathome.ssl.berkeley.edu>
>
>

>-----
>
>Date: Wed, 15 Sep 1999 21:19:54 -0400
>From: Clay N4AOX <wyn@worldnet.att.net>
>To: nn1g@earthlink.net
>Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
>Subject: [50478] Re: QRP Afield: Reporting
>Message-ID: <37E045BA.2CBF@worldnet.att.net>
>MIME-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>Content-Transfer-Encoding: 7bit
>
>David Benson wrote:
>>
>> gang-
>>
>> I realize it's early, but I thought I'd turn over a new leaf and post
>'QRP
>> Afield' reporting guidelines before you need them*.
>how do you score, please?
>
>72/73,
>Clay N4AOX
>
>-----
>
>Date: Wed, 15 Sep 1999 20:30:09 -0500
>From: "Michael A. Newell" <wb4huc@texas.net>
>To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, Austin QRP Club
Mailing List <AQRP@onelist.com>
>Subject: [50479] DSW-20 - First Contact
>Message-ID: <37E04821.D0F2283B@texas.net>
>MIME-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>Content-Transfer-Encoding: 7bit
>
>Hello Folks:
>
>I received my DSW-20 board kit last
>week, on Tuesday. Didn't start on
>it right away, but I did get the
>board completed last Sunday afternoon
>around 1700 local. I'm a bit slow
>and clumsy, so it took me a total
>of about 9 hours to finish the board.
>
>Don't have the enclosure kit yet,
>so I went to the local parts store

>for the connectors and such that
>I needed.
>
>Tonight I was able to sit down and
>finish hooking everything up, and
>even though it's spread all over the
>table, wires and clip leads hanging
>all over the place, I made my first
>QSO this evening about 0045Z with
>Sara, W4EEX, in Louisville, KY.
>
>Haven't measured the power out yet,
>that's next. It sure is nice having
>the freq readout and keyer all in
>the rig. Can't wait to get it installed
>in the shiny blue enclosure when it
>gets here.
>
>If I can put the thing together and
>make it work, anyone can. I recommend
>it HIGHLY. I think it's gonna be a LOT
>of fun.
>
>72,
>
>--
>Michael A. Newell - WB4HUC
>Austin, TX
>QRP-L 1668
><http://wb4huc.home.texas.net/>
>
>-----
>
>Date: Wed, 15 Sep 1999 21:38:29 -0400
>From: "Mike Yetsko" <myetsko@insydesw.com>
>To: <k1oj@ditdit.com>, "Low Power Amateur Radio Discussion"
><qrp-l@Lehigh.EDU>
>Subject: [50480] Re: Headphones
>Message-ID: <006201beffe6\$35260e40\$f652fea9@dads-hp>
>MIME-Version: 1.0
>Content-Type: text/plain;
> charset="iso-8859-1"
>Content-Transfer-Encoding: 7bit
>
>>Howdy All...
>>I was recently at a friends station and we were listening to the
>>difference
>>between his Heil headphones and mine. I could not figure out why his had

>an
>>'easier' to hear cw note. Finally he told me he had reversed the plus and
>>minus wires on only one ear element. The improvement was notable. How
does
>>this work?
>>
>>OJ---K10J
>>QRP-L #732
>>
>
>Well, some people say it doesn't matter, but years ago, back
>either the real late 60's or may as late as 73 or so, the magazine
>Popular Electronics had a construction article for using stereo
>headphones. What they did was 'phase' the channels, so that
>at a lower frequency it was all left for example, and at higher
>frequency it was all right channel. This gave a 'spatial
>perception' to the sound based on frequency that made it
>real easy to pull CW or even voice out of a crowded signal
>by thinking of 'pointing at' the sound in your mind.
>
>Some people felt it was the phase difference between the
>signals and not just the amplitude that did the trick, so it
>probably does make a big difference.
>
>Mike Yetsko
>N1DVJ
>
>
>-----
>
>Date: Thu, 16 Sep 1999 01:57:10 -0400
>From: Richard Arland <k7sz@epix.net>
>To: QRP List <qrp-l@lehigh.edu>
>Subject: [50481] RHR NC-20 On The Air
>Message-ID: <37E086B6.789FFDE8@epix.net>
>MIME-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>Content-Transfer-Encoding: 7bit
>
>Just got my Red Hot Radio NorCal 20 from Dave Fifield on the air
>tonight. Managed to work a ZP5 and a PY3 in quick succession on the low
>end of 20 meters. Got a 599 from the ZP5 and a 559 from the PY3.
>
>This is a GREAT little radio. I am use to a much wider IF bandwidth so I
>am going to have to modify my tuning procedures as I tend to tune past a
>station if I'm not careful.
>
>The rig is nice and stable, instruction set is outstanding, the tone on

>the TX sounds nice and clean, good keying characteristics...in all, well
>worth the money. Unfortunately my K1EL keyer chip will not work as a
>TiCK replacement. Gonna have to send somebody \$15!

>

>Since Tricia and I have decided NOT to go to VA Beach hamfest this
>weekend (something about Hurricane Floyd) I will be using this rig in
>the QRPTTF event.

>

>Life is good. (Dave, you done good, son!) The little red case sure
>presents a "sexy" radio!

>

>73 Rich K7SZ

>

>-----

>

>Date: Wed, 15 Sep 1999 22:10:48 EDT
>From: charles k brown <n4so@juno.com>
>To: qrp-l@lehigh.edu
>Subject: [50482] Tuna Tin 2 at W1AW
>Message-ID: <19990916.020854.7463.5.n4so@juno.com>

>

>Special Events// Tina Tin 2

>

>Operating the original Tuna Tin 2 built by Doug
>Demaw, W1FB, American Radio Relay League,
>W1AW, 0000Z Oct. 30 to 2359Z Oct. 31
>7040 14060 10106. Certificate.
>ARRL 225 Main St. Newington, CT 06111
>page 85 in QST mag. Oct. 1999.

>

>Ken Brown N4SO
>Mobile, AL/EM50tk
>NorCal-20/5 watts/4 ele. beam

>

>-----

>Get the Internet just the way you want it.
>Free software, free e-mail, and free Internet access for a month!
>Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

>

>-----

>

>Date: Wed, 15 Sep 1999 19:44:44 -0700
>From: Bob Hightower <ki7mn@extremezone.com>
>To: akanis@divis17.ped-gen.uiowa.edu
>Cc: qrp-l@lehigh.edu
>Subject: [50483] Re: perforated foam source?
>Message-ID: <199909160235.TAA18839@enterprise.extremezone.com>
>Mime-Version: 1.0

>Content-Type: text/plain; charset="us-ascii"
>
>At 05:45 PM 9/15/99 -0500, you wrote:
>>paul,
>>
>>> Anyone know a source of the perforated foam used in camera cases
>>> and the like, that can be pulled out in 1/2" square sections?
>>
>>Porters Camera Store <http://www.porters.com> 1-800-553-2001
>> since you are considered "foreign" you may need to use 319/268-0104
>>
>>on the web:
>> search for "replacement foam" and go to page 3, it's toward the bottom.
>>
>> Product #'s 08-0294W (1 piece pre-cut = \$10.50)
>> 08-0295W (1 piece pre-cut, 1 uncut = \$11.95)
>> (the cut is 18x13x2" and uncut is 18x13x1")
>>
>>I'm probably going to order some of this for the hard case that i bought
>>from Harbor Freight that i'll likely be using for my Elecraft K2.
>>
>Adam, per your advice, I ordered the two piece product, and it works FB in
>the Harbor Freight case. Had to cut the one piece to size, and the pre-cut
>piece worked out great.
>
>Good service from Porter's, as well.
>
>Bob Hightower KI7MN
>
>
><http://www.extremezone.com/~ki7mn>
>
>-----
>
>Date: Wed, 15 Sep 1999 22:39:08 -0400
>From: "Dave Benham" <dodgeboy@mindspring.com>
>To: <qrp-1@Lehigh.EDU>
>Subject: [50484] knob "pointer" touch up
>Message-ID: <01a101beffec\$a793d240\$4c0f8ad1@hqa.chrysler.com>
>MIME-Version: 1.0
>Content-Type: text/plain;
> charset="iso-8859-1"
>Content-Transfer-Encoding: 7bit
>
>This may be off topic, but I would like to touch up the little white
>indentation "pointers" on some black bakelite knobs. When I was a kid it
>seems there used to be some white grease paint stuff made for rubbing into
>these indentations on knobs and such, then you wiped off the excess and the

>knob looked like new. Does anyone out there have a modern day solution for
>this? I have tried white model paint but it makes a mess -- dries too fast
>and too hard to wipe off the excess.

>Thanks & 73,

>Dave K8TRF

>

>

>-----

>

>Date: Wed, 15 Sep 1999 19:47:06 -0700

>From: Bob Hightower <ki7mn@extremezone.com>

>To: k1oj@ditdit.com

>Cc: qrp-1@lehigh.edu

>Subject: [50485] Re: Headphones

>Message-ID: <199909160238.TAA19374@enterprise.extremezone.com>

>Mime-Version: 1.0

>Content-Type: text/plain; charset="iso-8859-1"

>Content-Transfer-Encoding: quoted-printable

>

>At 06:29 PM 9/15/99 -0500, you wrote:=20

>>

>> Howdy All...

>> I was recently at a friends station and we were listening to the=
> difference

>> between his Heil headphones and mine.=A0 I could not figure out why his=
> had an

>> 'easier' to hear cw note. Finally he told me he had reversed the plus and
>> minus wires on only one ear element. The improvement was notable.=A0 How=
> does

>> this work?

>

>

>Probably has something to do with the phasing of the signal from the=
> speakers

>in each ear piece. I remember years ago when stereo was new, the deal was
>to

>make sure the speakers were 'in phase', but they sounded better to me if=
> they

>were out of phase.

>

>Bob Hightower KI7MN

>

>

><http://www.extremezone.com/~ki7mn>

>

>-----

>

>Date: Wed, 15 Sep 1999 23:00:54 +500

>From: Terry Bendell <terryb@bmts.com>
>To: <dodgeboy@mindspring.com>
>Cc: <qrp-1@Lehigh.EDU>
>Subject: [50486] Re: knob "pointer" touch up
>Message-ID: <199909160255.WAA08313@Alice.BMTS.Com>
>MIME-Version: 1.0
>
>Hi Dave
>Believe it or not I use a standard bottle of "White out" comes with a nice
>fine applicator brush and can be purchased at any office or drug store.
>Easy to clean up excess and dries nicely in the small crevice of the
>control. You can like apply a little bit of clearcoat after it dries if you
>wish but I dont usually bother as the results are quite good.
>
>Hope this helps
>
>
>
>
>On 1999-09-15 dodgeboy@mindspring.com said:
> >This may be off topic, but I would like to touch up the little white
> >indentation "pointers" on some black bakelite knobs. When I was a
> >kid it seems there used to be some white grease paint stuff made
> >for rubbing into these indentations on knobs and such, then you
> >wiped off the excess and the knob looked like new. Does anyone out
> >there have a modern day solution for this? I have tried white
> >model paint but it makes a mess -- dries too fast and too hard to
> >wipe off the excess. Thanks & 73,
> >Dave K8TRF
>
>Net-Tamer V 1.11.2 - Test Drive
>
>
>-----
>
>Date: Wed, 15 Sep 1999 23:14:14 -0400
>From: Pete Burbank <plburbank@kih.net>
>To: <qrp-1@Lehigh.EDU>
>Subject: [50487] Re: knob "pointer" touch up
>Message-ID: <3.0.32.19990915231410.006856b4@kih.net>
>Mime-Version: 1.0
>Content-Type: text/plain; charset="us-ascii"
>
>At 10:39 PM 9/15/99 -0400, you wrote:
>>This may be off topic, but I would like to touch up the little white
>>indentation "pointers" on some black bakelite knobs. When I was a kid it
>>seems there used to be some white grease paint stuff made for rubbing into
>>these indentations on knobs and such, then you wiped off the excess and

the
>>knob looked like new. Does anyone out there have a modern day solution
for
>>this? I have tried white model paint but it makes a mess -- dries too
fast
>>and too hard to wipe off the excess.
>>Thanks & 73,
>>Dave K8TRF
>McMaster-Carr has someting called a lacquer stick that works
>very well.
>73 Pete NV4V
>
>-----
>
>Date: Wed, 15 Sep 1999 23:22:09 -0400
>From: "Mike Rhodes" <weightdn@bright.net>
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: [50488] Fw: LDG AT-11 w/Enclosure & 2m Preamp
>Message-ID: <00cd01befff2\$ab1fa960\$2d278fd1@weightdn>
>MIME-Version: 1.0
>Content-Type: text/plain;
> charset="iso-8859-1"
>Content-Transfer-Encoding: 7bit
>
>
>Thanks to all who have responded. The preamp is spoken for. However, the
>autotuner is still available. Thanks and 72 de
>
>Mike / W8FN
>
>----- Original Message -----
>From: Mike Rhodes <weightdn@bright.net>
>To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
>Sent: Sunday, September 12, 1999 10:32 PM
>Subject: FS: LDG AT-11 w/Enclosure & 2m Preamp
>
>
>Greetings All,
> I find I no longer have a need for my AT-11 autotuner with enclosure.
Unit
>was built from a kit and looks and operates fine. Asking \$150 shipped to
>lower 48.
>
> Also have SSB Electronics 2meter mastmount preamp, model SP-2, which will
>RF switch up to 200 watts. Never used. \$175 shipped to lower 48.
>
> Thanks and 72 de
>Mike / W8DN

>
>
>
>
>
>
>
>
>
>-----
>
>Date: Wed, 15 Sep 1999 23:46:32 EDT
>From: RLucch2098@aol.com
>To: qrp-1@lehigh.edu
>Subject: [50489] Paint those Knobs!
>Message-ID: <b92c9a79.2511c218@aol.com>
>MIME-Version: 1.0
>Content-Type: text/plain; charset="us-ascii"
>Content-Transfer-Encoding: 7bit
>
>Subj: Re: knob "pointer" touch up
>Date: 09/15/99
>To: dodgeboy@mindspring.com
>
>In a message dated 99-09-15 22:44:39 EDT, you write:
>
>> Does anyone out there have a modern day solution for
>> this? I have tried white model paint but it makes a mess -- dries too
fast
>> and too hard to wipe off the excess.
>> Thanks & 73,
>> Dave K8TRF
>
>Hi Dave;
>I got my oil based "PAINT STICK" or "oil bar" as they call it at a Arts and
>Crafts store that sell artist paints and crafts supplies, they are very
cheep
>for the amount of knobs that you can touch up!
>All sorts-o-colors too!
>Good Luck.
>Thanks es 73....Rich WA2RQY (1961)
>WA2RQY's "confusion Radio" Web-Page
>[Http://members.aol.com/rlucch2098/index.html](http://members.aol.com/rlucch2098/index.html)
>RLUCCH2098@aol.com
>"Keep those heaters on"
>
>-----
>
>Date: Wed, 15 Sep 1999 23:56:28 EDT

>From: ka7you@juno.com
>To: dodgeboy@mindspring.com
>Cc: qrp-1@Lehigh.EDU
>Subject: [50490] Re: knob "pointer" touch up
>Message-ID: <19990915.205749.7823.15.ka7you@juno.com>
>
>Dave and others with the interest
> Engravers use it on a regular basis. It is sold most often like a
>grease pencil or large crayon, but there is also a kind which is more of
>a liquid.
> I have some, from many years ago, at work. We still have a New Hermes
>engraver for the plastic badges etc.
> There is an outfit called Johnson Plastics (no relation), with several
>warehouses around the country as I recall, which supplies engraving
>plaque materials, but I don't have a catalog anymore.
> You might try a web search. If that does not turn up anything, I
>probably have an old receipt here, and can get the info. Try looking
>under engraving in the yellow pages of a larger metropolitan area
>directory. I would bet there will be someone there who could help you
>find it.
> 73,
>Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
>160M thru 1296 MHz-higher bands pending
>ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others
>
>On Wed, 15 Sep 1999 22:39:08 -0400 "Dave Benham"
><dodgeboy@mindspring.com> writes:
>>This may be off topic, but I would like to touch up the little white
>>indentation "pointers" on some black bakelite knobs. When I was a kid
>>it
>>seems there used to be some white grease paint stuff made for rubbing
>>into
>>these indentations on knobs and such, then you wiped off the excess
>>and the
>>knob looked like new. Does anyone out there have a modern day
>>solution for
>>this? I have tried white model paint but it makes a mess -- dries too
>>fast
>>and too hard to wipe off the excess.
>>Thanks & 73,
>>Dave K8TRF
>>
>
>-----
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>Free software, free e-mail, and free Internet access for a month!
>Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.
>

>-----

>

>Date: Thu, 16 Sep 1999 00:07:46 EDT
>From: PUNISHER3@aol.com
>To: qrp-1@lehigh.edu
>Subject: [50491] Re: knob "pointer" touch up
>Message-ID: <5a18e586.2511c712@aol.com>
>MIME-Version: 1.0
>Content-Type: text/plain; charset="us-ascii"
>Content-Transfer-Encoding: 7bit

>

>Hello Dave,

> To do what you are saying, I used a White Out PEN. Not the "brush on"
>white out, but the pen type. These are fairly new (within the past few
>years) and work very nicely. Just shake it up a few times and wiggle that
>ball around (which is inside the pen) and the just point and squeeze. It is
>highly unlikely, but if you happen to "miss" or spill white out where it
>shouldn't be, you should have a rag, or some kind of towel to Quickly wipe
>it
>up before it dries (this stuff is a MESS to take off after it dries).

>

> 73 and good luck,

> Ben

> NW7DX

>

>-----

>

>Date: Thu, 16 Sep 1999 00:14:31 EDT
>From: DOCROCK1T@aol.com
>To: qrp-1@lehigh.edu (Low Power Amateur Radio Discussion)
>Subject: [50492] Re: knob "pointer" touch up
>Message-ID: <c0620eef.2511c8a7@aol.com>
>MIME-Version: 1.0
>Content-Type: text/plain; charset="us-ascii"
>Content-Transfer-Encoding: 7bit

>

>Hi Dave,

>

> Latex house paint works fine for indexing knobs. Nearly everyone has
>partial cans in their garage they saved for touch-up. It is easy to apply
>and cleans up with water. Works for me.

>

>73/2

>

>Rick...KB7MPG

>Livingston, Montana

>

>-----

>
>Date: Wed, 15 Sep 1999 22:58:23 -0500
>From: guillotstutoring@juno.com
>To: qrp-l@Lehigh.EDU
>Subject: [50493] Re: Headphones
>Message-ID: <19990915.232251.-986183.3.guillotstutoring@juno.com>
>MIME-Version: 1.0
>Content-Type: text/plain
>Content-Transfer-Encoding: 7bit
>
> When you are singing you get a messed up sound of your own voice,
>because you hear the sound from your mouth and from your bone structure
>mixed together. This is the sound (coming through your bone structure)
>you hear when you cover your ears and talk. So the left ear can hear the
>right earphone through your bone structure.
>
>> Maybe they interact inside your
>>noggin.
>>
>>Nick, WA5BDU
>>
>72, Ed Guillot, N5ED, New Orleans, LA
>qrp-l#1951, qrp-parci#3988, ARRL(life)
>
>-----
>Get the Internet just the way you want it.
>Free software, free e-mail, and free Internet access for a month!
>Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.
>
>-----
>
>Date: Wed, 15 Sep 1999 21:28:36 -0700
>From: Jeff Grudin <grudin@vdb.com>
>To: qrp-l@lehigh.edu
>Subject: [50494] Plans for QRP Afield
>Message-ID: <37E071F4.5F5D0F2A@vdb.com>
>MIME-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>Content-Transfer-Encoding: 7bit
>
>Well Bummer, my XYL informs me that we are going to visit her family
>this weekend to celebrate my daughter's birthday (early).
>
>My original plans were to head for the hills and do a field thing.
>Well I took a couple of hours off this afternoon and installed my
>screwdriver antenna on my truck. I made a mount that will slide into
>the receiver hitch.
>

>I wired it into the cab and and tuned it up on 20 Meters this
>afternoon. The band had seemed pretty dead from my shack a bit
>earlier. I used my K2 into a N7VE bridge. I set the bridge to tune and
>turned the screw until the light went out. Pretty cool.
>
>I heard a LW6 calling CQ and sent my call back. He came right back with
>a 559. Not too shabby from 5W and a mobile whip.
>
>So if I can get the rig installed in the truck by Sat, I will at least
>be able to get 2-3 hours in on our drive to the relatives.
>
>Hmmm.... Captive Loggers
>
>--
>73 de AC6KW <mailto:grudin@vdbbs.com>
>Jeff Grudin, DVM Web Add: <http://www.vdbbs.com/~grudin>
>Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
>Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131
>
>-----
>
>Date: Thu, 16 Sep 1999 00:03:24 -0700
>From: Phil Wheeler <w7ox@mindspring.com>
>To: N10DL@aol.com
>Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
>Subject: [50495] Re: DK9SQ mast
>Message-ID: <37E0963C.4C144990@mindspring.com>
>MIME-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>Content-Transfer-Encoding: 7bit
>
>
>
>N10DL@aol.com wrote:
>>
>> Can anyone direct me to a webpage so I may find out more about this mast,
>I
>> am wondering if it would be good for my hiking trips in the White Mt's.
>> Aron
>> Bedford, NH N10DL
>
>
>See following. I have both, but have not had time to set them up.
>Reports are that setting up is an easy process. Definitely looks more
>fussy to put up than using a dipole or random wire. But the results are
>likely to be
>noticably better. I'd say it's reasonably portable; but not something
>I'd take on a plane trip, unless it was a *radio focused* trip (I won't

>be taking it to Europe with me).
>
>Below are some messages from w9zm which I have archived.
>
>-----
>
>HI Phil,
>Here are the links. I got purchased through Walter in OH. He shipped Oh
>to Ca in 2 or 3 days.. Total price for the tower and loop was 197 inc.
>shipping.
>
>73
>Duane
>
><http://www.qsl.net/dk9sq/antennas.htm>
>
><http://members.xoom.com/oe9pti/>
>
>-----
>
>I like the way they are engineered. I think he put a lot of thought in
>the design. I have not used the loop a lot. I'm keeping it as a
>portable setup. I put it up at home when I have time in the evenings.
>My xyl isn't crazy about the radio in general so I make the best of it
>and don't try to push things. I had one problem with the mast. I used
>rg8 coax and its a bit heavy causing the mast to slam down. It caused a
>slight crack in the end of one of the sections but should be easy to
>fix with some fiber glass repair stuff. Even glue and tape would work.
>Just keep that in mind. When you get it up in the air don't pull too
>hard on any guy lines. Also I use a length of RG58 or RG8 mini for the
>feed up the mast. I also secure it to the mast with a bicycle toe
>strap. I have been so busy the past week & not much time for hamming so
>on air with the loop has been minimal. I gave it a shot on Friday and
>worked a 1y1 and a sk4 with 100 watts.
>
>Give this a thought.. I made a ground plane out of speaker wire. Four
>16.5 foot lengths. One radiator and 3 radials. I fed it with 300 ohm
>twin lead & used a tuner. Put the feed point at 10ft and worked dx like
>crazy. I can put that rig up at work during lunch and it wouldn't
>attract too much attention.
>
>Let me know how it works out for you. I'd really like to take a trip to
>a nice hill and set up the loop around dusk and have at it.
>
>-----
>
>I believe both products are also available from Kanga.
>

>Hope this helps,
>
>73 .. Phil
>
>-----
>
>Date: Thu, 16 Sep 1999 10:13:21 -0400
>From: wa8rxi@juno.com
>To: qrp-1@LeHigh.EDU
>Subject: [50496] HeathKit HW-8
>Message-ID: <19990916.101324.-135973.0.wa8rxi@juno.com>
>MIME-Version: 1.0
>Content-Type: text/plain
>Content-Transfer-Encoding: 7bit
>
>QRPer's
>
>HW-8 with HWA-7-1 Power supply.
>I have had some really enjoyable QSO's and made it
>into quite a few DX logs over the last few years with this 80-40-20 & 15
>Meter QRP Rig.
>But, have too many QRP Rigs (7) and the new K2 seems to be taking up a
>lotta my time :-)
>Includes the original Manual and an "HW-8 Handbook" by Mike, WB8VGE.
>I'll let her go for \$135.00 to CONUS.
>
>E-Mail direct only Please...
>wa8rxi@juno.com
>Thanks
>
>Rick Arzadon - WA8RXI
>6056 Hipp
>Taylor, MI. 48180
>313-561-4839
>
>-----
>Get the Internet just the way you want it.
>Free software, free e-mail, and free Internet access for a month!
>Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.
>
>-----
>
>Date: Thu, 16 Sep 1999 06:23:29 -0400
>From: "Scott Howell" <n3byy@yahoo.com>
>To: <cw@qth.net>, <qrp-1@lehigh.edu>, <tentec@contesting.com>,
<larc-1@webtrek.com>
>Subject: [50497] handkey update
>Message-ID: <007301bf002d\$88e1f020\$ae61b683@HQ.NASA.GOV>

>MIME-Version: 1.0
>Content-Type: text/plain;
> charset="iso-8859-1"
>Content-Transfer-Encoding: 7bit
>
>ok folks, again you can see a picture of the proposed handkey at
><http://www.qsl.net/n9bor> and there's another site, but that address is on
>the work machine. The storm kept me home or I should say the dog decided he
>didn't want to go to work today.
>In any case, there will be a couple of mods to the key such as a dark blue
>background instead of black and a possible minor mod to a few parts and
>finally an adjustment to the positioning of the key.
>These are for visual enhancements. There are some who didn't like the fact
>its a J38, but the overwhelming feeling is everyone knows or has had a J38
>at
>some point.
>In any case, I am taking orders and wold strongly prefer you send E-mail to
>n3byy@amsat.org. I am trying to keep the orders in one place just to keep
>things straight.
>I don't believe the cost of the item to be above \$5, but won't know until
>the final numbers are in place. More ordered, the lower the price.
>I will have the following as a minimum. A lapell pin, second a tie tac or
>bar and keep in mind a lapell pin could also serve as a tie tac as well,
>and
>finally its possible if there's enough interest earrings probably in a hoop
>configuration. I can also get just the piece with no attachment for those
>who would like to due something on their own.
>If interested, please drop me a msg to n3byy@amsat.org.
>I am ready to move on this as soon as possible so if intrested, please let
>me know soon. I would like to get the orders wrapped up before the first of
>October if possible.
>Also, tnx to those who signed on and were soooooo patient while I worked to
>find another vendor and all the other pit falls I encountered on the way.
>
>73 de Scott/n3byy\
>
>73 de Scott/n3byy
>Laurel MD
>for immediate response, send mail to n3byy@amsat.org
>
>
>-----
>Do You Yahoo!?
>Get your free @yahoo.com address at <http://mail.yahoo.com>
>
>
>-----
>

>Date: Thu, 16 Sep 1999 07:16:19 -0400
>From: John R Kirby <n3aaz-qrp@juno.com>
>To: qrp-1@Lehigh.EDU
>Subject: [50498] Whistlers and Floyd
>Message-ID: <19990916.071741.-117039.0.n3aaz-qrp@juno.com>
>MIME-Version: 1.0
>Content-Type: text/plain
>Content-Transfer-Encoding: 7bit
>
>Good News and Bad News
>
>Bad news, Floyd
>
>Good news, ready up those whistler receivers and tape recorders
>
>Bad news, commercial power is off
>
>Good news, no local (60 Hz) QRM
>
>Whistlers can best be heard *just* before and / or *just* after a QRN
>***crash**.
>
>What is that other stuff? QRP Whistlers?
>
>John
>N3AAZ
>FM19xa
>-----
>Get the Internet just the way you want it.
>Free software, free e-mail, and free Internet access for a month!
>Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.
>
>-----
>
>Date: Thu, 16 Sep 1999 07:23:36 -0400
>From: "Jerry W. O'Dell" <jwodel1@ameritech.net>
>To: qrp-1@lehigh.edu
>Subject: [50499] storm stuff
>Message-ID: <4.2.0.58.19990916072236.0097fc30@mailhost.det.ameritech.net>
>Mime-Version: 1.0
>Content-Type: text/plain; charset="us-ascii"; format=flowed
>
>Anyone know the ham frequencies for the storm?
>
>Know it's off topic, but just hearing the guys talking among
>each other is interesting.
>
>73 jerry w8gnd

>
>
>
>-----
>
>Date: Thu, 16 Sep 1999 06:49:10 -0500
>From: "Chuck Carpenter" <w5usj@globeco.net>
>To: bcutter@teal.csn.net, "Low Power Amateur Radio Discussion"
<qrp-1@Lehigh.EDU>
>Subject: [50500] Re: Antenna stand-offs
>Message-ID: <3.0.2.32.19990916064910.007e7330@bosshog.globeco.net>
>Mime-Version: 1.0
>Content-Type: text/plain; charset="us-ascii"
>
>Bob et al,
>
>You might try some of the various electric fence insulators found at such
>places as farm supply stores. You could mount them on the soffit next to
>the fascia.
>
>>Has anyone seen any sort of stand-off? I would prefer plastic or ceramic
>Chuck Carpenter, EM22cv, Point, Rains County, Texas
>
>-----
>
>Date: Tue, 14 Sep 1999 00:39:28 -0600
>From: "William R. Colbert" <af852@rgfn.epcc.edu>
>To: qrp-1@lehigh.edu
>Subject: [50501] Re: Antenna stand-offs
>Message-ID: <37DDEDA0.423B5011@rgfn.epcc.edu>
>MIME-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>Content-Transfer-Encoding: 7bit
>
>My new RS catalog still lists the standoffs (15-854 = 5 1/2")
>and a shorter 3" variety. I haven't seen the plastic type in
>many years, but last ones I had I think came from the old CalRad
>company. I think Emtech has standoffs designed for the 450 line
>as does the Wireman.
>
>
>--
>
>"Politicians are like nappies. Both should be
>changed regularly -- and for the same reason"
>"Scotsman - Scotsman's Diary 12/97"
>-----
>Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2

>(also w5xe@juno.com El Paso,(FAR WEST) TEXAS
>
>-----
>
>Date: Thu, 16 Sep 1999 08:44:42 -0400
>From: "Ken Hanks" <ken.hanks@po.state.ct.us>
>To: <jwode11@ameritech.net>, "Low Power Amateur Radio Discussion"
<qrp-l@Lehigh.EDU>
>Subject: [50502] Re: storm stuff
>Message-ID: <002101bf0041\$43554840\$ca313ccc@acer>
>MIME-Version: 1.0
>Content-Type: text/plain;
> charset="iso-8859-1"
>Content-Transfer-Encoding: 7bit
>
>The hurricane net is on 14.325
>
>
>Sent from ARRL on 9/15:
>
>The FCC has asked hams not involved in the storm emergency to avoid
>designated frequencies on HF and VHF that are being used for
>emergency traffic. The voluntary communications emergency now
>includes 3993.5 and 3915 kHz in South Carolina, 3923, 3926 and 7232
>kHz in North Carolina, 7275 kHz and 3975 kHz in Georgia, and 3620,
>3910, 3947, 7260, and 7105 kHz in Virginia. In addition, the FCC
>requested that hams relinquish 145.17, 145.43, 145.73, 146.76, 147.3
>and 147.36 for emergency traffic in Virginia. The FCC has canceled
>the voluntary communications emergency declared yesterday for 3950
>and 7242 kHz for emergency traffic in Florida.
>
>
>73,
>
>Ken Hanks K1XS
>Naugatuck, CT
>Ken.Hanks@po.state.ct.us
><http://www.qsl.net/k1xs>
>
>
>-----
>
>Date: Thu, 16 Sep 1999 08:42:16 -0400
>From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
>To: "INTERNET:jwode11@ameritech.net" <jwode11@ameritech.net>
>Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion
Group <QRP-L@Lehigh.edu>
>Subject: [50503] storm stuff

>Message-ID: <199909160844_MC2-850F-534E@compuserve.com>
>MIME-Version: 1.0
>Content-Transfer-Encoding: 7bit
>Content-Type: text/plain;
> charset=us-ascii
>Content-Disposition: inline
>
>Jerry:
>
>Someone else posted this earlier = 14.325. And it works. I have been able
>to hear things during the late afternoon and early evening. Even heard
>some hams on Bahamas. What I heard was apparently a net, with an XYL
>getting reports. Good luck.
>
>72,
>--Doc Lindsey/K0EVZ
> DSBF
> PO BOX 6028
> Bismarck, ND 58506
> 70511.3041@compuserve.com
>
>-----
>
>Date: Thu, 16 Sep 1999 09:21:26 -0400
>From: Bruce Muscolino <w6toy@erols.com>
>To: QRP-L@LEHIGH.EDU
>Subject: [50504] The Black Cat Tuna Tin 2 Event
>Message-ID: <37E0EED6.549E@erols.com>
>MIME-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>Content-Transfer-Encoding: 7bit
>
>ARRL Hosts the QRP ARCI for a Black Cat Halloween Special Event
>
>On October 30 and 31, 1999 the American Radio Relay League will host the
>QRP Amateur Radio Club International for a "Black Cat" QRP on-the-air
>party for all QRPers. For two days, W1AW/QRP will be on the air using
>the actual original Tuna Tin 2 transmitter designed and built by Doug
>DeMaw, W1FB! The "Black Cat" theme was chosen to tie the Tuna Tin 2 to
>Halloween, for a night of ghostly fun that QRPers can talk about for
>years.
>
>The Tuna Tin 2, so called because it used a common tuna fish tin for a
>chassis and two 2N2222 transistors was introduced to the world in May,
>1976 in a QST feature article by Doug DeMaw. For many hams, it served
>both as their first QRP experience, and their first building experience.
>
>Even though it disappeared under mysterious circumstances from the ARRL

>Lab, it was later rediscovered at a hamfest over 100 miles away from
>ARRL HQ. Rescued from an ingominous end under that hamfest table by Ed
>Hare, W1RFI, a well-known QRP'er who works in the ARRL Lab, it was
>restored to full operation in June of 1999 by Bruce Muscolino W6TOY/3.
>It is still in use today! Over this summer, it has had a short but
>exciting career, on the air from W1AW and W1RFI, travelling to various
>distant locations and hamfests to let others see the "real deal!" Now
>it comes home to rest up for this fall's operating event.

>

>The original Tuna Tin 2 operation will be on 40 meters for the entire
>period. Late night operation will be directed toward working as many DX
>stations as can be heard! (QRP DX includes many parts of the United
>States as well as overseas hams.) You don't have to be using QRP to
>work the Tuna Tin 2, just listen around 7040 kHz for W1AW/QRP and give
>us a call! Additional Tuna Tin 2 replicas will be operating on 10.106
>and 14.060 MHz, to give all the best chance to participate in this QRP
>extravaganza.

>

>Certificates and special QSL cards will be issued to commemorate this
>ARRL/ARCI special event. Hams are welcome to stop by W1AW over the
>event weekend to see the original Tuna Tin 2. Operating time may be
>limited, but those who wish to operate the original Tuna Tin 2 should be
>able to make few contacts. Please set aside some time Halloween weekend
>to work W1AW/QRP, and each other for a weekend of informal QRP fun!
>Contact Bruce Muscolino, W6TOY (w6toy@erols.com) or Ed Hare, W1RFI
>(w1rfi@arrl.org) for more details.

>

>-----

>

>Date: Thu, 16 Sep 1999 08:59:57 -0400
>From: Bill B Lazure <n2tpa@juno.com>
>To: rwc@frii.com
>Cc: qrp-l@lehigh.edu
>Subject: [50505] Re: BNC's for RG-174?
>Message-ID: <19990916.093609.7606.7.N2TPA@juno.com>

>

>Rod,

>

> I picked some up from a company doing the Northeast convention a few
>years ago. The company was called Connectors Unlimited. Don't know the
>web site, but the connectors were \$1.79 each. Also had RCA jacks for
>\$0.25 each.

> Perfect fit, well constructed. I use them for patch cables and test
>leads. A pair of alligator clips on the other end of the cable, and you
>can tie anything to your rig or test equipment.

> GL,

>

>Bill

>W2EB
>
> "Rod, N0RC" writes:
>>Folks:
>>And now for something completely different...a radio topic! TIC
>>I'm looking for BNCs for RG-174, Mouser has some for abt \$6. Expensive
>>experiment. Have you used them? Do they work? And, what kinda ham
>>would I be if
>>I did ask: Where can I get them cheaper?
>
>
>-----
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>
>-----
>
>Date: Thu, 16 Sep 1999 09:34:33 -0400
>From: Bill B Lazure <n2tpa@juno.com>
>To: qrp-l@lehigh.edu
>Subject: [50506] Weird 2n2/40 problem
>Message-ID: <19990916.093609.7606.9.N2TPA@juno.com>
>
>Gang,
>
> I finally put my 2N2/40 into an enclosure. Looks pretty good. I
>hooked it up on the workbench, and it plays even better than before.
>Guess the extra shielding helps. When I brought it over to the radio
>bench and plugged it in there, it went deaf.
> When installed on the radio bench, the only discernible difference
>is the power source. I'm using the same speaker and antenna connection.
>The rig powers up, as I hear an initial "pop" and hiss from the speaker,
>and I measure that same 13.86VDC on the collectors of the finals. I
>seems as if my RF connection is gone as I can't hear any difference with
>it unplugged or plugged in. Even touching the coils of the RF and IF
>section produce no noise or hum.
> I moved it between the two benches several times keeping the cables
>as immobile as possible. Only difference was which power supply I used.
>Same problem occurs using different power, speaker, and antenna cables.
> I'd appreciate any ideas on this one. OBTW, the radio bench supply
>is the one I run my QRP+ with. It works up to 3 Amps.
>
>Tnx,
>
>Bill
>W2EB
>
>

>-----
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>
>-----
>
>Date: Thu, 16 Sep 1999 09:42:17 EDT
>From: Robsparks@aol.com
>To: qrp-1@lehigh.edu
>Subject: [50507] AR QRP 40m Net Results
>Message-ID: <53575a95.25124db9@aol.com>
>MIME-Version: 1.0
>Content-Type: text/plain; charset="us-ascii"
>Content-Transfer-Encoding: 7bit
>
>The AR-QRP Net 6 QNIs last night. The began at 0030Z and ended at 0100.
>Propagation was fair. Check-in went smoothly and quickly, thanks to
>everyone's flexibility with the "single letter/full call" technique. The
net
>is a fun place to just listen and brush up on CW, even if one does not
choose
>to QNI! Thanks to those who participated! Here are the stations that
checked
>in:
>
>N5IB Jim
>AB5WX Dave
>AA0B Roy
>W2XN Fred
>N50BC Mark
>N8KBG Ron
>
>The NCS was Bob AB5ZD, using the AR QRP Club call NQ5RP, QTH Alexandria LA,
>running 5 watts to a G5RV up about 25 feet in pecan trees. Orientation of
>the ant wire is NNW to SSE. Following is a list of Arkansas QRP Club nets:
>
>Monday Night 0030Z 3.560 MHz
>Wednesday Night 0030Z 7.042 MHz
>
>Non-members are welcome (and encouraged) to QNI!
>
>72,
>
>Bob AB5ZD
>
>-----
>

>Date: Thu, 16 Sep 1999 06:48:37 -0700
>From: Phil Wheeler <w7ox@mindspring.com>
>To: QRP List <qrp-l@lehigh.edu>
>Subject: [50508] ZM-2 Construction
>Message-ID: <37E0F535.872B8F02@mindspring.com>
>MIME-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>Content-Transfer-Encoding: 7bit
>
>ZM-2 builders,
>
>A bit after midnight, I finished assembling my ZM-2 ATU kt, except for
>mounting the torroidal coils.
>
>I'm a bit uncomfortable hanging the large torroid by its leads off the
>fragile-appearing tabs of the tuning caps. Has anyone come up with a
>good way to secure it better while still doing the entire assembly on
>the front panel per the EMTech manual?
>
>Please reply to my email address; I've temporarily suspended the list
>to avoid chiking my email, due to long working hours (which is why I'm
>doing kit builds too late into the night, a precarious approach!).
>
>Tks es 72/73,
>
>Phil W70X
>
>-----
>
>Date: Thu, 16 Sep 1999 10:52:06 EDT
>From: ka7you@juno.com
>To: QRP-L@LeHigh.EDU
>Subject: [50509] appology to the list members
>Message-ID: <19990916.075325.7823.19.ka7you@juno.com>
>
>Sorry gang, I didn't mean to send the personal mail to everyone.
> 7 3,
>Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
>160M thru 1296 MHz-higher bands pending
>ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others
>
>
>-----
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>
>-----

>
>Date: Thu, 16 Sep 1999 11:02:38 EDT
>From: charles k brown <n4so@juno.com>
>To: qrp-l@lehigh.edu
>Subject: [50510] Mailing lists and reflectors
>Message-ID: <19990916.150045.8231.2.n4so@juno.com>
>
>This is a long file of reflectors and mailing lists
>for specialized interests.
>Ask for the lists.txt file and I will send it to you from
>this computer.
>
>Ken Brown N4SO
>Mobile, AL/EM50tk
>NorCal-20/5 watts/4 ele. beam
>
>-----
>Get the Internet just the way you want it.
>Free software, free e-mail, and free Internet access for a month!
>Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.
>
>-----
>
>Date: 16 Sep 1999 11:19:37 -0400
>From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
>To: k10j@ditdit.com
>Cc: qrp-l;;
>Subject: [50511] Re: Headphones
>Message-ID: <1999Sep16.111937-0400@[130.113.234.7]>
>
>In <006b01beffd2\$388c81e0\$3cb83ed8@swbell.net>, K10J wrote:
>>Howdy All...
>>I was recently at a friends station and we were listening to the
difference
>>between his Heil headphones and mine. I could not figure out why his had
an
>>'easier' to hear cw note. Finally he told me he had reversed the plus and
>>minus wires on only one ear element. The improvement was notable. How
does
>>this work?
>>
>
>OJ,
>Man, this is a controversial subject. You're getting
>into phasing sensitivity of hearing perception. And its a very
>interesting area for experimentation. Rick Campbell (of R2
>receiver fame) recently did a phasing receiver where he sent
>separate in-phase (I) and out-of-phase (Q) signals to each

>ear, in an attempt to let the "grey matter" figure out
>where sideband signals were. The result is hard to describe.
>
>I've always tried to wire stereo headphones in series, which
>raises load impedance on the audio amp, and makes it work
>less hard. But doing so means that each ear gets
>signals that have a 180 degree phase relationship.
>Wiring for parallel operation, with tip and ring connected
>together, gives a zero degree phase relationship.
> I'd guess that the zero-degree phasing is better,
>resulting in "centered" audio....you get a sense that the
>signal appears in the middle of your head, or right in
>front of you.
> With 180 degree phasing, your sense of direction
>can get confused...when you think about where the signal
>is (in space) you're not really sure.
>
>-----
>
>Date: Thu, 16 Sep 1999 09:31:53 -0600
>From: jaywa5whn@juno.com
>To: qrp-1@lehigh.edu
>Cc: k6yej@aol.com, k5qq@juno.com, rjhufna@juno.com
>Subject: [50512] QRP Afield this weekend
>Message-ID: <19990916.093158.-503039.0.jaywa5whn@juno.com>
>MIME-Version: 1.0
>Content-Type: text/plain
>Content-Transfer-Encoding: 7bit
>
>
>We are a few days away from "QRP Afield". Break out those colorful new
>radios {NC20's, DSW-x0's, K2's, et al} & let's all meet on the air. You
>can abuse the older radios too. ;-)
>
><http://www.fix.net/~jparker/norcal/qrpafield99/qrpafield99.htm/>
>
>A suggestion; those of us who will be camping out (/P category) on
>Saturday {Sept. 18}, do we want to meet around 7.040 MHz & 7.147 MHz
>(cw) on Saturday night for some informal qso's ?
>
>My QTH {Sept. 18 & 19}
>
>QRP Afield: Latitude: 35 degrees 51
>minutes 57.36 seconds North
> Longitude: 106
>degrees 51 minutes 52.08 seconds West (WGS-84 datum)
> elevation:
>9,473 feet asl {San Miguel Mountain}

> (4WD required,
>17" ground clearance a necessity)
>
>New Mexico Search and Rescue has stated that if I get lost, they will not
>come looking for me. ; -)
>
>
>
>
> 72...Jay, WA5WHN {monitoring
>146.52 MHz FM simplex, wilderness protocol on Sept. 18 & 19}
>
>
>
>-----
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>
>-----
>
>Date: 16 Sep 1999 12:10:30 -0400
>From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
>To: qrp-l;;
>Subject: [50513] NORCAL's toroid kit - designers info [long]
>Message-ID: <1999Sep16.121030-0400@[130.113.234.7]>
>
>Homebrewer's interested in NORCAL's latest kit:
>
>What prompted Doug to select the cores from the myraid
>types offered by Amidon? Or why do you see these cores
>again and again in the circuits we build?
>First, we should separate the cores into two broad
>groups, because of two general applications where you'll
>find them: resonant circuits and broadband transformers.
>The iron powder cores are best for RF resonant circuits
>where a coil is resonated with a small capacitor.
>Iron powdered cores are good here for two major reasons-
>high Q and low temperature drift.
>Broadband transformers require good coupling between
>windings. That means all the magnetic flux should stay
>in the core. And "broadband" often means that
>inherent winding impedance be high, even at low
>frequencies. So you'll want to have high impedance
>without too many turns. This requires high permeability
>that iron powdered cores don't have. High permeability
>comes at a price: higher losses and lousy temperature
>stability. Ferrite cores are less useful in resonant

>circuits because of low Q and temperature drift.
>And conversely, iron powdered cores are less useful as
>broadband transformers because not all the flux stays
>in the core, and you need many, many turns to get
>reasonably high impedance.
>
>Here's a summary of Doug's choices:
>Core $Al(nH/t^2)$ Perm. Freq. Tempco
>-----
>T37-2 5 10 2-30 95ppm
>T37-6 3 8 10-50 35ppm
>T50-7 4.3 9 3-35 30ppm
>T130-2 11 10 2-30 95ppm
>
>FT37-43 420 850 1-50 10000ppm
>FT37-61 55.3 125 10-200 1500ppm
>
>"Core" is Amidon's numbering system where "T" denotes
>toroid, "37" denotes outside diameter, and "2" is the
>iron powder recipe. "Al" is the winding factor that
>relates inductance to number of turns. In this case,
>one turn would give 5 nH. Inductance is proportional
>to turns-squared, so ten turns would give 100 times as
>much inductance (0.5uH) and one hundred turns would
>result in 50 uH. Note that the "Al" values in this
>table are different than usual - Amidon specs winding
>factors for iron powdered toroids as "microhenrys-per-
>100-turns" and ferrites as "millihenrys-per-1000-turns"
>:-/ In the table above, its "nanohenry-per-turn-squared".
> "Perm" is relative permeability,
>which tells how much more the flux lines would prefer
>going through the core than air. Entirely dependent
>on the core mix recipe.
> "Freq." is Amidon's recommendations of useful
>frequency range for this recipe. Top end
>is influenced by core losses, bottom end by huge
>number of turns required.
> "Tempco" is the temperature coefficient in
>parts-per-million per degree(C). I'm guessing
>that it'd tell how much inductance would change for a
>one degree (Celcius) change in temperature. Note that
>tempco actually changes with temperature - these are
>likely numbers for the region around room temperature.
>You want low tempco for a VFO coil. The "7" mix has
>the best, so Doug has chosen to include a T50-7 for
>use in VFO coils for low drift.
> The big T130-2 gives a lot of inductance (Al=11)
>for use in a tuner.

> The two T37-2 and T37-6 types are good for
> general RF tuned circuit use.
>
> The two ferrite toroids "FT37" have high permeability
> which means flux lines stay confined inside the material.
> This ensures that coupling is very tight between windings -
> great for broadband transformer use. But losses are quite
> high resulting in low Q (which gets worse as frequency
> goes up). If you think "hey, with those nice high Al
> values, I can get BIG inductance with very few turns -
> losses should be low", then think again. Core losses are
> much higher than winding resistance losses and it shows
> up as low Q.
> Look at the tempco - its terrible! These make
> lousy inductors for critical tuned circuit use, but OK
> inductors for chokes.
> One other thing you have to worry about with
> ferrite cores is saturation losses. These losses depend
> on ampere-turns - the product of # turns x current thru
> those turns. Unlike powdered iron (which are VERY hard
> to saturate) ferrite cores can only take so much current
> (AC as well as DC) before getting really non-linear and
> lossy. Using a FT37-43 core as the collector choke in
> a 40-meter 5W final amp pushes it close to the limit.
> Losses show up as heat, so if your core gets hot, you're
> wasting RF power heating ferrite rather than the
> ionosphere. You need a bigger core, or one with a higher
> frequency spec (that'll require more turns).
> These ferrites lose their magnetic properties
> at high temperature. Above the "Curie" temperature of 130
> degrees (C), a FTxx-43 core might as well be made
> of glass - permeability drops to about one. For the
> FTxx-61 core, Curie temperature is 350 C.
>
> For more info, visit Bytemark's STUPENDOUS, AWESOME
> website:
> <http://www.bytemark.com/amidon>
>
> or have a look in the HANDBOOK chapter 25.
> -Glen VE3DNL
>
> -----
>
> Date: Thu, 16 Sep 1999 10:26:57 -0600
> From: "Dick Schneider" <dschneider2@uswest.net>
> To: "cqclist" <cqclist@cqc.org>, "QRP-L" <qrp-l@Lehigh.edu>
> Subject: [50514] QRP AFIELD: W0CQC/7 TO ACTIVATE WYOMING!
> Message-ID: <000d01bf0060\$4c1ea380\$bd9ca0d8@dnvr.uswest.net>

>MIME-Version: 1.0
>Content-Type: text/plain;
> charset="iso-8859-1"
>Content-Transfer-Encoding: 7bit
>
>COLORADO QRP CLUB TO PUT RARE STATE ON THE AIR DURING QRP AFIELD: WYOMING!
>
>Yes, intrepid CQC members will "run the border" in WOHEP's RV/QRP Command
>Center. The target operating site will be in the Snowy Range. But actual
>border crossing time and location will remain undisclosed for obvious
>security reasons. It is a well-known fact out here in the Wild West that
>all
>three of Wyoming's hams (all QRO operators) patrol the crossing points
>between Colorado and the Cowboy State turning back all QRP operators. CQC
>does have club members in Wyoming, but they are under deep cover and there
>whereabouts are kept secret. This border dispute can be traced all the way
>back to the day some Colorado politicians rode into Wyoming and stole
>Buffalo Bill's body and reburied him next to all the TV towers west of
>Denver. Of course, back then all the towers -- and the wires -- were made
>out of wood. But I digress.
>
>During QRP Afield, look for:
>
>W0CQC/7
>
>80M-40M-20M-15M-10M
>(BUT MOSTLY WHERE THE ACTION IS)
>
>We will QSL 100%!
>
>Operators: Rich WOHEP & Dick AB0CD
>
>Possible guest operator: Al K0FRP (this depends on whether he can escape
>his
>extraordinarily lengthy "honey do" list and if the mechanics over at the
>Edgewater police department can get their helicopter working to run Al up
>to
>Wyoming.)
>
>OK. That's the contest info. Now for:
>
>SKEDS!
>
>Yes, we'll run skeds for anyone who wants to collection Wyoming/QRP.
>
>80-10 Meters. QRP Frequencies +/- for QRM/QRN
>
>W0CQC/7 OPERATING SCHEDULE

>
>LOCATION: Snowy Range between Centennial and Saratoga (we'll figure out the
>grid square and county)
>
>(All Dates/Times are UTC)
>
>SATURDAY 9-18-99
>
>1800-2400(0000) QRP AFIELD - NO SKEDS
>
>SUNDAY 9-19-99
>
>0000-0100 DINNER BREAK - NO SKEDS
>
>W0CQC/7 will listen for calls and/or call CQ at the top 15 minutes of
select
>hours on 40M and 20M, per the following schedule:
>
>0100-0115 - 7040
>0200-0215 - 7040
>0300-0315 - 7040
>0400-0415 - 7040
>1300-1315 - 7040 (This is during the "bonus" time during QRP Afield)
>1400-1415 - 7040 (This is during the "bonus" time during QRP Afield)
>1500-1515 - 14060 (This is during the "bonus" time during QRP Afield)
>1600-1615 - 14060 (This is during the "bonus" time during QRP Afield)
>
>NO SKEDS DURING ABOVE TIMES
>
>Other times during these operating periods - basically the last 45 minutes
>of each hour between 0100-0500 (that's 7p-11p MDT Sat. night) and 1300-1700
>(that's 7a-11a MDT Sun. morning) - we will handle SKEDs, work DX, and
>generally mess around the QRP frequencies on open bands. You might hear us
>calling CQ. CW primarily. 3560, 7040, 10106, 10116, 14060, 21060, 28060.
>
>ARRANGING SKEDS:
>
>DEADLINE: 0600UTC 9-18-99 (MIDNIGHT FRIDAY NIGHT MDT)
>EMAIL: AB0CD@ARRL.NET (BACKUP: dschneider2@uswest.net)
>PHONE: 303-758-9519 (Leave message)
>BAND: We'll try anything 80-10. We will operate QRP only. CW/SSB.
>QSL: 100%
>
>FOR ANY SKED, WE WILL LISTEN/CALL FOR 5 MINUTES FROM THE APPOINTED TIME.
>
>ON-BOARD GEAR:
>
>MAIN STATION: TS570D (IC706 BACKUP)

>ANTENNA: G5RV
>ADD'L STATIONS: WILDERNESS SIERRA (QRPP), NN1G 40M, SW40, SW30, HW7, MFJ20
>
>
>72 Dick AB0CD & Rich W0HEP..
>
>
>
>-----
>
>Date: Thu, 16 Sep 1999 12:35:20 -0400
>From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
>To: qrp-l <qrp-l@lehigh.edu>
>Subject: [50515] Re: NORCAL's toroid kit - designers info [long]
>Message-ID: <37E11C48.2E68A44E@rit.edu>
>MIME-version: 1.0
>Content-type: text/plain; charset=us-ascii
>Content-transfer-encoding: 7BIT
>
>Glen Leinweber wrote:
>>
>> Homebrewer's interested in NORCAL's latest kit:
>
>Glen,
>
>An excellent post! Clearest discussion of inductor core materials I've
>ever seen. And I seen a lot.
>
>> in the core. And "broadband" often means that
>> inherent winding impedance be high, even at low
>> frequencies. So you'll want to have high impedance
>> without too many turns.
>
>Is there a "rule of thumb" for the impedance you want for a given
>application?
>
>For example, I want to couple a 50-ohm antenna lead to a 2-30 MHz
>amplifier stage whose input is 200 ohms. If I remember correctly, this
>requires a 2:1 turns ratio. (Impedance ratio is equal to turns ratio
>squared, right?) The 200 ohm load is transformed to 50 ohms by the
>transformer, but the transformer has inductance which appears as a
>reactance in parallel with the transformed load impedance. (Did I get
>that part right?) It seems to me I'd want a high reactance. How high is
>high enough?
>
>Dave
>
>-----

>Dave Hinerman WD8CIV
>dlh1009@rit.edu
>
>-----
>
>Date: Thu, 16 Sep 1999 09:36:56 -0700
>From: Jim Lowman <jmlowman@ix.netcom.com>
>To: rules@bellsouth.net
>Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
>Subject: [50516] Re: Contest Software. Was Re: Open Letter
>Message-ID: <37E11CA8.1A7EF59F@ix.netcom.com>
>MIME-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>Content-Transfer-Encoding: 7bit
>
>Randy Jouett wrote:
>
>> Since we're talking contest software, I have a question.
>> Has anyone written a contest package using a relational
>> database management system like MS Access or in SQL?
>> IMHO, this would be a trivial piece of code, if I'm thinking
>> correctly here.
>
>For the DXer, DXbase2000 uses an Access database. The other logging
>software that I use, WriteLog, may as well. I just picked up a copy
>at Ft. Tuthill, and haven't had a chance to do much more than install
>it.
>
>When I went shopping for logging software, my #1 concern was something
>that would run under Windows 95/98/NT4. The fact that it also uses
>the Access DB was icing on the cake.
>
>72 de Jim - AD6CW
>
>-----
>
>Date: Thu, 16 Sep 1999 10:02:55 -0700
>From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
>To: <qrp-1@lehigh.edu>
>Subject: [50517] NorCal Tuna Tin Offer for Pacificon Attendees only
>Message-ID: <01bf0065\$52157ca0\$630a0d0a@doug.dpol.k12.ca.us>
>MIME-Version: 1.0
>Content-Type: text/plain;
> charset="iso-8859-1"
>Content-Transfer-Encoding: 7bit
>
>Guys, the NorCal Tuna Tin/MRX free kit offer is for attendees of Pacificon
>only. The reason is that we will be using the rigs for a special operating

>event at Pacificon. We are not selling any Tuna Tin kits at this time, we
>only have 50, and they go to the guys who are attending. If you are coming
>to Pacificon, and want to be part of this activity, send me an email
message
>that says you will build the kit and bring it to Pacificon. Please put
>"NorCal Tuna Tin Offer" in the subject line.
>
>We have 20 kits left. 72, Doug, KI6DS
>
>
>-----
>
>Date: Thu, 16 Sep 1999 13:08:04 -0400
>From: "George Goodroe" <goodroe@worldnet.att.net>
>To: "Qrp-L@Lehigh.Edu (E-mail)" <qrp-l@Lehigh.EDU>
>Subject: [50518] FS: MFJ 9040
>Message-ID: <000201bf0066\$0dc45ca0\$3034fea9@ggoodroe>
>MIME-Version: 1.0
>Content-Type: text/plain;
> charset="iso-8859-1"
>Content-Transfer-Encoding: 7bit
>
>For Sale:
>
>MFJ 9040 40 Meter QRP Transceiver
> go to <http://www.mfjenterprises.com/transceivers/mfj9040.html> to check it
>out !
>
>with - Keyer add on board and CW filter add on.
>
>Manual included.
>
>\$185
>
>1st Email to me gets it...Then we'll work out the details.
>
>Thanks and 73 de KF4CPJ
>George Goodroe, QRP-L #1943
>St. Petersburg, Florida USA
>80 Meter high noise capital of the USA <grin>
><http://home.att.net/~goodroe>
><http://www.qsl.net/kf4cpj>
>
>
>-----
>
>Date: Thu, 16 Sep 1999 10:18:10 -0700 (PDT)
>From: Jim Hale <kj5tf@yahoo.com>

>To: QRP-L <qrp-l@Lehigh.EDU>
>Subject: [50519] Re: QRP AFIELD: W0CQC/7 TO ACTIVATE WYOMING!
>Message-ID: <19990916171810.19061.rocketmail@web701.mail.yahoo.com>
>MIME-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>
>Bravo to you'all for giveing us WY !
>
>Many, many hams need WY for the popular ARCI QRP/QRPp
>WAS award.
>
>Myself, I need WY for the above awards, PLUS my
>milliwatt worked all states effort. Besides WY, I
>still need KS, KY, & NE. I think my average power per
>state is around 1.4w right now.
>
>Listen for me calling you @ <1w (maybe wayyyy less
>than 1w!) But if condx are not kind, I'll just have
>to run my power up to <5w.
>
>I'll be operating in my field @ 2200' here in the
>Ozarks. Planned bands of operation are 20/15M. But
>just in case I'll have 10M ready.
>
>Equipment is my Index Labs QRP+ XCVR, WM-2 QRP
>wattmeter, & 2 AH nicad btry packs/5w solar panel.
>For a vertical antenna, I use a thin wire stinger,
>held up by the 20' Black Widow collapsable fishing pole
>and two raised radials. I trim the wires for sweet
>SWR's with my MFJ-249 antenna tester. And re-test with
>the WM-2 to double check.
>
>Looking forward to the weekend, its even cleared with
>the XYL!
>
>73's, 72's, and sometimes 71's de Jim KJ5TF
>
>>COLORADO QRP CLUB TO PUT RARE STATE ON THE AIR DURING
>QRP AFIELD: WYOMING!
>>
>>Yes, intrepid CQC members will "run the border" in
>W0HEP's RV/QRP Command
>>Center. The target operating site will be in the
>Snowy Range. But actual
>>border crossing time and location will remain
>undisclosed for obvious
>>security reasons. It is a well-known fact out here in
>the Wild West that

>all
 >>three of Wyoming's hams (all QRO operators) patrol
 >the crossing points
 >>between Colorado and the Cowboy State turning back
 >all QRP operators. CQC
 >>does have club members in Wyoming, but they are under
 >deep cover and there
 >>whereabouts are kept secret. This border dispute can
 >be traced all the way
 >>back to the day some Colorado politicians rode into
 >Wyoming and stole
 >>Buffalo Bill's body and reburied him next to all the
 >TV towers west of
 >>Denver. Of course, back then all the towers -- and
 >the wires -- were made
 >>out of wood. But I digress.
 >>
 >>During QRP Afield, look for:
 >>
 >>W0CQC/7
 >
 >
 >-----
 >Do You Yahoo!?
 >Bid and sell for free at <http://auctions.yahoo.com>
 >
 >-----
 >
 >Date: Thu, 16 Sep 1999 11:34:14 -0600 (CST)
 >From: Bruce Rattray <rattray@gpfn.sk.ca>
 >To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group
 <qrp-l@LeHigh.EDU>, K10J <k10j@ditdit.com>, Serge Bertuzzo
 <103226.3635@compuserve.com>,
 > "Ron Z." <zuerb@ibm.net>, Doc Lindsey <70511.3041@compuserve.com>, Al
 Weinstein <alweinstein@cpol.com>, Allen Harris <ath@globalserve.com>,
 >Subject: [50520] RAC plaques
 >Message-ID: <Pine.LNX.3.95.990916111713.5744B-1000000@neale.gpfn.sk.ca>
 >MIME-Version: 1.0
 >Content-Type: TEXT/PLAIN; charset=US-ASCII
 >
 >The response to my request to take care of the last \$40.00 Canadian, has
 >been super!...so I'm sending this message to the 7 people who responded
 >and asking that you send me \$5.50 Cdn and that will finish up the complete
 >total of \$500.00.....how you send the money to me is up to the
 >individual...I will e-mail each of you, confirming the arrival of your
 >contribution....thank you all for helping with this project...when I get
 >time you will all be recognized on the QRP-Canada web page...tnx agn!
 >

>..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
> A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,
> S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"
>
>
>-----
>
>Date: 16 Sep 1999 13:38:54 -0400
>From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
>To: dlh1009@ritvax.isc.rit.edu
>Cc: qrp-l;;
>Subject: [50521] Re: NORCAL's toroid kit - designers info [long]
>Message-ID: <1999Sep16.133854-0400@[130.113.234.7]>
>
>In <37E11C48.2E68A44E@rit.edu>, David Hinerman wrote:
>
>>For example, I want to couple a 50-ohm antenna lead to a 2-30 MHz
>>amplifier stage whose input is 200 ohms. If I remember correctly, this
>>requires a 2:1 turns ratio. (Impedance ratio is equal to turns ratio
>>squared, right?) The 200 ohm load is transformed to 50 ohms by the
>>transformer, but the transformer has inductance which appears as a
>>reactance in parallel with the transformed load impedance. (Did I get
>>that part right?) It seems to me I'd want a high reactance. How high is
>>high enough?
>>
>
>Dave,
> OK, in your example, the critical info for
># of turns is the 2MHz lower frequency limit, and
>the 200 ohm load impedance.
> You want the 200 ohms of load impedance
>to dominate over the winding impedance. For your
>parallel model of transformer reactance (in parallel
>with the 200 ohms) you'd like the transformer reactance
>to be something like (at least) five times the 200
>ohm load. So how many turns is required to give
>200*5 ohms at 2MHz?
>Inductive reactance = $2 * \pi * F * L$
>We want to find inductance L that gives 200*5 ohms:
> $L = 200*5 / (2 * \pi * 2000000)$
> $L = 79.6$ microhenries, or 79600 nanohenries
>
>The A1 winding factor for the FT37-43 core is
>420 nanohenries per turn-squared.
>So you need $\sqrt{79600/420}$ turns: that's 13.76 turns
>No such thing as a fraction of a turn with ferrites,
>so round up to 14 turns.
>You could build your 200 ohm to 50 ohm transformer

>a couple different ways:

>One winding of 14 turns for the 200 ohm side, another

>winding overlaid of 7 turns for the 50 ohm side.

>Another way:

>A bifilar winding of seven turns, which is two separate

>wires, wound together. Connect the end of one wire to

>the start of the other. The 200 ohm load goes across

>the series connected ends, while the 50 ohm source

>goes between one end and the "center-tap" where

>the two windings join. This would be OK for

>unbalanced source and load because one winding

>connection is common to source and load - that's

>ground.

>

>This example should be checked up at the 30MHz. end

>of the range for losses. Up there, the capacitance

>between wires starts to become an important part

>of the winding impedance. If your desired frequency

>range were smaller, you might want to scale up a few

>turns more than 14:7 so that the 200 ohm load dominates

>winding reactance even more.

>

>-----

>

>Date: Thu, 16 Sep 1999 13:11:13 -0700

>From: "Jerry Bartachek" <jbartac@max.state.ia.us>

>To: qrp-l@Lehigh.EDU

>Subject: [50522] RE: Standoffs & Horizontal Loop

>Message-ID: <37E14EE1.2586@max.state.ia.us>

>MIME-Version: 1.0

>Content-Type: text/plain; charset=us-ascii

>Content-Transfer-Encoding: 7bit

>

>Is there any deleterious effect from having a horizontal loop antenna

>just a few inches away from eave troughs, gutters, and downspouts? If

>the antenna is tuned via ladder line, I would suspect one could have a

>nice hidden antenna that would load on all HF frequencies. I'm just

>curious about absorption, low efficiency, etc. Anyone with actual

>experience with this antenna close to rain gutters out there?

>

>72,

>

> _ _ _ _ / _ _ _
> | / / | \ | / | \ / \
> | \ | | | / | | | _ _
> | _ \ \ | _ / | / _ | _ |
> /

> Jerry L. Bartachek <><

> Washington, IA

> IA QRP #10
> QRP ARCI #5166
>
>-----
>
>Date: Thu, 16 Sep 1999 14:20:00 -0700
>From: "C. Lamar Derk" <n3at@noln.com>
>To: -Reflector <qrp-1@lehigh.edu>
>Subject: [50523] Need Address
>Message-ID: <37E15EFF.F3EB3BA5@noln.com>
>MIME-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>Content-Transfer-Encoding: 7bit
>
>My sincere thanks to all who sent me info to try to find the address of
>a fellow-qrp'er.
>The address has been found, and my QSL is in the mail.
>
>72 de Lamar, N3AT
>
>
>-----
>
>Date: Thu, 16 Sep 1999 14:46:12 -0400
>From: Zack Lau <zlau@arrl.org>
>To: qrp-1@lehigh.edu
>Subject: [50524] Re: BATTERY RATING QUESTION
>Message-ID: <37E13AF4.29DE441@arrl.org>
>Mime-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>Content-Transfer-Encoding: 7bit
>
>Maybe, if your 12 volt rig still works at 6.4 volts--Zack W1VT
>
>
>-----
>
>Date: Thu, 16 Sep 1999 13:31:10 -0600 (CST)
>From: Bruce Rattray <rattray@gpfn.sk.ca>
>To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group
<qrp-1@LeHigh.EDU>
>Subject: [50525] RAC plaques (fwd)
>Message-ID: <Pine.LNX.3.95.990916132705.13235A-1000000@neale.gpfn.sk.ca>
>MIME-Version: 1.0
>Content-Type: TEXT/PLAIN; charset=US-ASCII
>
>oooooops....forgot to put my mailing address in the posting about the final
>\$40.00 for the RAC QRP plaques....sri....

>
> Bruce Rattray,
> 128 Durham Drive,
> Regina, SK. S4S-4Z2
> Canada
>
>..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
> A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,
> S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"
>
>
>
>-----
>
>Date: Thu, 16 Sep 1999 14:42:22 -0400
>From: "Edward A Kwik jr" <eakwikjr@hti.com>
>To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
>Subject: [50526] Re: QRP-L, Let's take it back!!!
>Message-ID: <37E13A0D.F7F143A7@hti.com>
>MIME-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>Content-Transfer-Encoding: 7bit
>
>Bands not good this week. But last week I got two new African contries
>in 15 meters. Also got a HB9 wwwho was running 8 watts on 30 with my
>SW30+.
>
>Ed AB8DF
>
>Paul R. Valko wrote:
>>
>> Ok gang,
>>
>> Are you as sick of the pro-this, anti-that, not-qrp-related-anything?
>>
>> Well guess what... Chuck's moving, so he's not available to warn
>> or otherwise give his size 14 Texas boot firmly to the rear of those who
>> so richly deserve it, it's up to US to TAKE IT BACK!!!
>>
>> The QRP-L FOXHUNT starts in a few weeks. The reflector will be S000oooo
>> buried with REAL QRP messages that the others will be just little blips
>> in
>> your inbox.
>>
>> In the meantime...
>>
>> WHO have YOU WORKED QRP?
>>

>> WHAT QRP item have YOU BUILT?
>>
>> WHEN was the last time YOU TALKED someone INTO turning down the power?
>>
>> WHERE did you operate QRP-portable?
>>
>> WHY do you prefer a QRP lifestyle?
>>
>> HOW have YOU improved your ANTENNA FARM to improve your QRP sigs?
>>
>> 73! =paul= W8KC
>>
>> Collector of Ten*Tecs and other fine plastics
>> <<http://www.acs.oakland.edu/~prvalko>>
>
>
>
>-----
>
>Date: Thu, 16 Sep 1999 14:13:32 -0600 (CST)
>From: Bruce Rattray <rattray@gpfn.sk.ca>
>To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group
><qrp-1@LeHigh.EDU>
>Subject: [50527] A BIG THANK YOU!!
>Message-ID: <Pine.LNX.3.95.990916140612.14435B-1000000@neale.gpfn.sk.ca>
>MIME-Version: 1.0
>Content-Type: TEXT/PLAIN; charset=US-ASCII
>
>I would like to publicly acknowledge the following list of Amateur Radio
>Operators who have come together as a group and generously donated their
>hard-earned money to the sum of \$500.00 in order to sponsor, through
>QRP-Canada, the QRP Plaque for both the Summer and Winter Radio Amateurs
>of Canada contests, beginning with 1989...
>
>.....VE6QRP...VE6EWM...K5IUO...VE6AAN...VE6JWA...VE5HQ...NA6E...VE3FUL...
>..K10J...KI0II...VA3SB...K0YWD...VE1NN...VE3HVX...K0EVZ...VE5QRP...
>
>...many thanks again to each of you and as a collective group for helping
>to make this hobby more enjoyable for all by putting something back into
>it!!
>
>...72 - Bruce(VE5RC+VE5QRP) - ps - if I've forgotten to acknowledge anyone
>please let me know via my e-mail address.
>
>
>
>-----
>

>Date: Thu, 16 Sep 1999 16:18:22 EDT
>From: n5ib@juno.com
>To: qrp-1@Lehigh.edu
>Subject: [50528] Re: BNC's for RG174?
>Message-ID: <19990916.150810.4687.2.N5IB@juno.com>
>
>I just received a Marlin P. Jones catalog today. (Cat 99-99ABC)
><<http://www.mpja.com>>
>800-652-6733
>
>It lists on page118:
>
>Stock # 5411-RC Economy 3 piece crimp BNC male connector for RG174
>\$1.25 each, for 1-24 pcs., \$0.99 for 25-99 pcs., \$0.89 for 100+
>
>usual disclaimer-no connection, etc....
>
>73
>Jim N5IB
>
>-----
>Get the Internet just the way you want it.
>Free software, free e-mail, and free Internet access for a month!
>Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.
>
>-----
>
>Date: Tue, 07 Sep 99 12:26:40 PDT
>From: "Robert Roach" <KE4QOK@worldnet.att.net>
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: [50529] Re: E-mail filters....
>Message-ID: <MAPI.Id.0016.004534514f4b20203030303630303036@MAPI.to.RFC822>
>MIME-Version: 1.0
>Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"
>Content-Transfer-Encoding: quoted-printable
>
>I think that if we all (myself included) were a little more mindful
>of keeping the subject line accurate and descriptive it would lower
>the volume for all of us. We all have different interest even within
>this "narrow" special interest group. A good subject line lets the
>filters do their job and gives us all the the most bang and least
>aggrevation for our buck.
>
>Bob
>KE4QOK
>
>
>-----

```

>>
>> Rick wrote:
>> "For those folks who must post eBay notices, flames, opinions, etc. please
>ase
>> put the keyword "eBay" in the subject field on the message. That way
>> those who could care less about eBay can filter your message out."
>>
>> Great idea but what if you get the digest version of the list? I use
>> Eudora light version 1.5.2, no filters. Does the filter thing work if =
>you
>> get the digest version of the list? Probably time for me to get a new =
>mail
>> program, with filters...
>
>
>-----
>
>Date: Thu, 16 Sep 1999 15:33:53 -0500
>From: Michael Melland <badger@vbe.com>
>To: qrp-l@lehigh.edu
>Subject: [50530] RE: BNC's for RG174 ?
>Message-ID: <37E15431.472B5D0B@vbe.com>
>MIME-version: 1.0
>Content-type: text/plain; charset=us-ascii
>Content-transfer-encoding: 7bit
>
>Your post reminded me..... I have 30 or so Amphenol 31-4426 BNC's
>(crimp on es military) which are new in the packages. They were meant
>for RG180 TFE cable..... which I think is .141 or .150 diameter.....
>whats the diameter of RG174 smaller I think..... Wish I could find a
>use for these.
>
>Mike, W9WIS
>
>
>-----
>
>Date: Thu, 16 Sep 1999 16:28:44 EDT
>From: Davewb4@aol.com
>To: qrp-l@lehigh.edu
>Subject: [50531] Hy-Gain AV-640 Info?
>Message-ID: <53569acd.2512acfc@aol.com>
>MIME-Version: 1.0
>Content-Type: text/plain; charset="us-ascii"
>Content-Transfer-Encoding: 7bit
>
>Has anyone had any experience with the Hy Gain (Now MFJ) AV-640 8 band
>vertical?

```

>73
>Dave Rogers
>WB4CHK
>
>-----
>
>Date: Thu, 16 Sep 1999 14:29:31 -0600 (CST)
>From: Bruce Rattray <rattray@gpfn.sk.ca>
>To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group
<qrp-l@LeHigh.EDU>
>Subject: [50532] QRP plaque picture
>Message-ID: <Pine.LNX.3.95.990916142709.16567A-100000@neale.gpfn.sk.ca>
>MIME-Version: 1.0
>Content-Type: TEXT/PLAIN; charset=US-ASCII
>
>If you'd like to have a look at the RAC QRP plaque point your browsers to:
>
> <http://www.rac.ca/plak98.htm>
>
>...there's also an interesting story from Ted King, VE3FUL, as winner of
>the 1998 QRP plaque...
>
>..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
> A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,
> S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"
>
>
>-----
>
>Date: Thu, 16 Sep 1999 16:35:56 -0400 (EDT)
>From: Bob Patten <n4bp@bc.seflin.org>
>To: Elecraft Reflector <elecraft@qth.net>, QRP-L Reflector
<qrp-l@lehigh.edu>
>Subject: [50533] K2 & Obsessions
>Message-ID: <Pine.3.89.9909161641.A17785-0100000@bc.seflin.org>
>MIME-Version: 1.0
>Content-Type: TEXT/PLAIN; charset=US-ASCII
>
>No, I'm not obsessed with the K2 although it would be very easy. My
>obsession is with power supplies and I just ran across a gold mine for
>the K2.
>
>I found a Marlin P. Jones catalog at work and ogled over page after
>page of both switching and linear power supplies at terrific prices. I
>finally settled on two and made a phone order yesterday. UPS wheeled up
>this afternoon with them. I've had one running the K2 key down at five
>watts into a dummy load for about the past hour.
>

>The one I'm using is a 12V @ 2.5A desktop supply that measures L:4-3/8" X
>W:2-3/8" X H:1-3/8" and weighs only .62 pound. It uses a standard IEC AC
>cord, but has an oddball output plug. When I chopped off the plug, I
>found a single shielded wire. Both the shield and center conductor look
>like about #18 wire which easily carries the rated output. The part
>number is 12041-PS and the price \$14.95.

>

>The second one I ordered is a "Medical grade Open switching supply" rated
>15V @ 2.6A. It does have a pot on the board, but I have not yet tried
>this one. Part number is 9106-PS and sells for \$19.95. It does need a
>case of some sort, but a nice little DIY project.

>

>Marlin P. Jones does have a website, but is not yet ready to take on-line
>orders. Their URL is <http://www.mpja.com> and their phone 800-652-6733.
>They do have a minimum \$15 order, but their shipping and handling are
>"exact cost calculated at time of shipment".

>

>I don't work for them. :-)

>

> 73,
> , ' ' ' ,
> Bob Patten, N4BP (0 0) Plantation, FL

>-----o00o-()-o00-----

>

> E-Mail: n4bp@bc.seflin.org
> Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
> Brass Pounder BBS: (954) 472-7715

>

>

>-----

>

>Date: Thu, 16 Sep 1999 17:09:21 -0400
>From: Tom M <tjmc@erols.com>
>To: w7ox@mindspring.com
>Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
>Subject: [50534] Re: ZM-2 Construction
>Message-ID: <37E15C81.B42A4BD3@erols.com>
>MIME-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>Content-Transfer-Encoding: 7bit

>

>> I'm a bit uncomfortable hanging the large torroid by its leads off the
>> fragile-appearing tabs of the tuning caps. Has anyone come up with a
>> good way to secure it better while still doing the entire assembly on
>> the front panel per the EMTech manual?

>

>I used a foam peanut behind it.... a little trimming and then just put on

>the cover. The torrid is held between the peanut and the caps... no
>movement at all.

>

>Tom aa2vk

>

>-----

>

>Date: Thu, 16 Sep 1999 17:10:03 -0400

>From: "williswonkas" <williswonkas@email.msn.com>

>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

>Subject: [50535] Small Yagi beams

>Message-ID: <004501bf0087\$dc74f2a0\$8776fcd0@oemcomputer>

>

>Hello Gang,

>

>I am wondering if anyone has tried any of the small beams that are
>available? Mosley Mini33 , Cushcraft MA5B, or the Hybrid Quad.

>

>I wonder if these are really any better than a dipole or vertical?

>

>If so the small size sure would help in my restricted area.

>

>Thanks & 73

>

>Ken KG4BIG

>

>

>

>

>-----

>

>Date: Thu, 16 Sep 1999 14:47:45 -0700

>From: "Phinizy, William" <wphinizy@filenet.com>

>To: "'QRP-l List Server'" <qrp-l@Lehigh.edu>

>Subject: [50536] Pot Core Question..

>Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F01DE042E@hq-expo2.filenet.com>

>

>I had the good fortune(?) to stumble across a mess o' pot cores at a swap
>meet the other day. There's an old circuit in QRP classics that calls for
>them, but I haven't seen too much else. I wanted to use them for
>large-inductance coils (50-100 mH) instead of spending \$1-2 each for the
>small Mouser guys. Any suggestions, literature, URLs, personal experience,
>etc. offered by the group mind is greatly appreciated.

>

>..or I could sell them on eBay..

>

>-----

>

>End of QRP-L Digest 1581

>*****

>-----

Date: Thu, 16 Sep 1999 19:17:27 -0500
From: "Mike D." <hrg@megsinet.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Cc: n3byy@yahoo.com
Subject: [50543] RE: handkey update
Message-ID: <000501bf00a2\$062bd0e0\$6bcfd6d8@urbancom.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

The correct URL for the handkey pin image is:

<http://www.qsl.net/n9bor/n3byy.htm>

73 de Mike, N9BOR/AA
FISTS NR 4594
<http://www.qsl.net/n9bor>

di dah dit - The only roger beep you'll ever need.
My designated driver is a 12BY7A.
I want to party like it's 1969.
Solid State leaves me cold.

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
> Scott Howell

> Sent: Thursday, September 16, 1999 5:23 AM

> To: Low Power Amateur Radio Discussion

> Subject: handkey update

>

>

> ok folks, again you can see a picture of the proposed handkey at
> <http://www.qsl.net/n9bor> and there's another site, but that address is on
> the work machine. The storm kept me home or I should say the dog
> decided he
> didn't want to go to work today.
> In any case, there will be a couple of mods to the key such as a dark blue
> background instead of black and a possible minor mod to a few parts and
> finally an adjustment to the positioning of the key.
> These are for visual enhancements. There are some who didn't like the fact

> its a J38, but the overwhelming feeling is everyone knows or has
> had a J38 at
> some point.
> In any case, I am taking orders and wold strongly prefer you send
> E-mail to
> n3byy@amsat.org. I am trying to keep the orders in one place just to keep
> things straight.
> I don't believe the cost of the item to be above \$5, but won't know until
> the final numbers are in place. More ordered, the lower the price.
> I will have the following as a minimum. A lapell pin, second a tie tac or
> bar and keep in mind a lapell pin could also serve as a tie tac
> as well, and
> finally its possible if there's enough interest earrings probably
> in a hoop
> configuration. I can also get just the piece with no attachment for those
> who would like to due something on their own.
> If interested, please drop me a msg to n3byy@amsat.org.
> I am ready to move on this as soon as possible so if intrested, please let
> me know soon. I would like to get the orders wrapped up before
> the first of
> October if possible.
> Also, tnx to those who signed on and were soooooo patient while I
> worked to
> find another vendor and all the other pit falls I encountered on the way.
>
> 73 de Scott/n3byy\
>
> 73 de Scott/n3byy
> Laurel MD
> for immediate response, send mail to n3byy@amsat.org

Date: Thu, 16 Sep 1999 20:31:31 EDT
From: KF4EIB@aol.com
To: qrp-1@lehigh.edu
Subject: [50544] New insight to Ham radio... Hur. Floyd
Message-ID: <4875b504.2512e5e3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

May all be well with you,

Well, because of Hurricane Floyd I have gained a new (and better) insight as to a possibly forgotten aspect of Ham Radio. Forgotten? Maybe a poor choice of words on my part... but from my call sign you can tell I have not been in

the "hobby" a very long time, just got the feet wet in some circles of thought.

Sure, I started out as the No Code Tech with a HT in hand. You know the story...been there, done that, ya da ya da. Due to extremely patient Elmers (read two Extra Class Hams) in Greensboro I did get the bug, if you will to progress to higher levels. Let me not forget to also thank a "Code Buddy" that is a true gentleman and a man of much patience. It has been a long road, on my part... NOT without many helpful "talks" from the two elmers. Lord knows how patient they are.

Back to the purpose of this bandwidth.....

Reading a few posts on the reflector about emergency freq. on the HF bands. Thought I would give a listen on my rig... mind you listen only. Besides, at this time they are out of my permitted freq. areas.

To my surprise I found a few hams that not only were working in a professional manner with the subject at hand (FLOYD), they were also able to check on THEIR Ham Buddies scattered throughout the affected areas. Now, these are what I call OT hams... 1 x 2 calls...you get the picture.

It was a real pleasure to listen in on these guys in their wisdom, professional manners, and true concern about their ol' ham buddies in their locations in harms way. How often do you hear OT Hams on repeaters ? I'm talking real hams from the good old days I often hear of. A radio that glows in the dark...how odd.

Well, I stand on my soap box and say "THANK YOU" Old Timers.

I can hardly wait to pass the 13 wpm and get in the real world of some OT hams...I have so much to learn from their wisdom, knowledge and humor.

A QSO with a love of mankind between the words....

Take care and thank you.

73,

Gordon kf4eib

Date: Thu, 16 Sep 1999 19:13:28 -0400
From: "Jean Jibouleau" <jiboulj@globetrotter.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [50545] QRPp is at home.
Message-ID: <000201bf00a9\$d9604020\$ab90a98e@n8w8k5>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Happy dance here.

The spring edition just arrived, about 2 weeks after the summer edition. Now I have a lot to read.

I am soo happy about this VERY nice magazine I send my poor canadian dollars

for a 2 years subcription. Yes, 2 years! I certainly dont want to miss any issue. Did you notice QRPP is getting fatter?
I dont have any more time to talk because I have to study the 2N22/40 shematic. Mine is comming, slowly but surely. I will post it in a future web site.

72 de Jean (VE2GHI)

PS:. Province of Qu bec.

Date: Thu, 16 Sep 1999 20:20:49 -0500
From: mjfitz@uswest.net
To: QRP-L Posts <qrp-l@LEHIGH.EDU>
Subject: [50546] RS HTX-10
Message-ID: <37E19771.5AB3B956@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Fair Warning--

The HTX-10 is in the new RS catalog, page 76. Pic is not real great...there IS, however, a warning that an amateur radio license is required...(if you can read). This catalog is the new yr 2K issue.

For what it's worth...
Mike NOMF

Date: Thu, 16 Sep 1999 21:22:15 -0400
From: "wb8qyy" <wb8qyy@one.net>
To: <qrp-l@Lehigh.EDU>
Subject: [50547] 40 meter obituary
Message-ID: <002f01bf00ab\$14154890\$0202030a@amd400>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey All

Is the 40 meter band as dead as this listserv tonight???

Dieter WB8QYY
Loveland, OH

Date: Thu, 16 Sep 1999 20:24:34 -0500
From: jmbrown@edge.net (JERRY BROWN)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [50548] HELP! sick DSW-20
Message-ID: <010e01bf00ab\$66b72730\$cc5015d0@brown>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm having a bit of trouble explaining why my DSW-20 won't XMIT.
I have no power output from Q7, the final.

With keying, using a battery supply, I have slightly more than 1 v p-p
(with HP 100 MHz scope) on the base of Q7.

I have checked continuity of Q7 output circuit toroids and I even measured
the capacitance of capacitors throughout before installation.

The DC voltage on the collector of Q7 is near supply voltage on
RX and XMIT.

I replaced Q7 with the final from my unbuilt DSW 40 and no change.

There is no short in the coax.

Any suggestions for further troubleshooting?

Thanks in advance,

Jerry N4EO

Date: Thu, 16 Sep 1999 19:52:56 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-1@lehigh.edu, cqclist@cqc.org
Subject: [50549] Pre-QRP Afield Solar Stuff
Message-ID: <Pine.SUN.4.10.9909161931580.4353-1000000@shell.rt66.com>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

Band conditions are like really rocky, dudes. The past two days, the geomagnetic field has been highly disturbed, causing minor to major storm conditions. The K-Index has been at 7 for several periods today and yesterday, which is major to severe storming. Virtually HF blackout conditions. This is all being caused by the arrival of a shock wave from a CME from a fairly small C-class flare, but one whose trajectory smacked into the earth rather directly ... and from a persistent coronal hole. The effects from the CME are over (the shock wave has passed), but it is always difficult to predict how long the enhanced solar wind caused by a coronal hole will linger around. It is believed the coronal stream is on the decline, which if correct, will mean rather stable HF conditions by QRP AFIELD on Saturday. I'll post an update tomorrow (Friday) night.

Solar flux is on the upswing, passing 150 today with 165 being predicted for Saturday. THIS IS GOOD NEWS in that this should support good propagation on 20-15-10 meters. If geomagnetic storming is still going on, 20M may remain rocky, but the effects will be far less on 15-10M.

The higher you go up in frequency, the more the solar flux plays a role and the less the geomagnetic condition (K and A indices). Thus, for QRP AFIELD, work the highest band you can and work down to take advantage of the rising solar flux and avoid the effects of geomagnetic storming.

40M will likely not be of much use until around sundown local, unfortunately.

Don't let the current conditions on 40M discourage you from participating in QRP AFIELD. These conditions will not be as severe on the higher bands, with scarcely little effects on 15-10M, and "we'll have to see" on 20M. If the coronal streams declines tomorrow, then the geomagnetic field will settle down for good low band conditions as well. With possible noisy conditions, don't be afraid to ask for a fill if you miss something. The guy on the other end may not be hearing you too good either, so no need to feel embarrassed about asking for a repeat on the exchange.

GL, Paul NA5N

> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
> SDF NUMBER 259 ISSUED AT 2200Z ON 16 SEP 1999

> IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z:
> THE GEOMAGNETIC FIELD WAS AT QUIET TO MINOR STORM LEVELS WITH
> ISOLATED MAJOR STORMING PERIODS AT HIGH LATITUDES. A SUSTAINED
> PERIOD OF SOUTHWARD BZ AND A 600KM/S SOLAR WIND SPEED FOLLOWED A

> SUDDEN IMPULSE (SI) OBSERVED AT 15/2019UT.

> IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
> EXPECTED TO BE QUIET TO ACTIVE WITH OCCASIONAL MINOR STORMING MOSTLY
> AT HIGH LATITUDES. DAY TWO SHOULD BE LESS ACTIVE AS THE HIGH SPEED
> STREAM SUBSIDES, EXPECT QUIET TO OCCASIONAL ACTIVE. WE MAY SEE THE
> EFFECTS OF TODAY'S LARGE DSF ON DAY 3, LOOK FOR ACTIVE TO MINOR
> STORM CONDITIONS POSSIBLE BY LATE DAY 3.

This sounds like saturday (day 2) should settle down with the remainder
of the geomagnetic disturbances to occur on sunday.

> IV. PENTICTON 10.7 CM FLUX

> OBSERVED 16 SEP 158 <----- todays solar flux: GOOD!

> PREDICTED 17 SEP-19 SEP 160/165/170

^^^ ^^^ ^^^

FRI SAT SUN

QRP

AFIELD

> V. GEOMAGNETIC A INDICES

> OBSERVED AFR/AP 15 SEP 021/032 <----- STORM conditions

> ESTIMATED AFR/AP 16 SEP 025/030

> PREDICTED AFR/AP 17 SEP-19 SEP 020/025-015/020-012/012

^^^^^^ ^^^^^^^ ^^^^^^^

FRI SAT SUN

A-index of 12-20 is ACTIVE (not STORM) conditions.

Date: Fri, 17 Sep 1999 01:50:37 GMT

From: mwattcpa@earthlink.net (Marty Watt)

To: qrp-1@lehigh.edu

Subject: [50550] Travel Plans

Message-ID: <37e28fb3.169872364@mail.earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: quoted-printable

Well, the new car doesn't have the HF capability of the ol' BMW, but I do=

have
2m and 70cm, and will be traveling through Alabama this weekend, from =

West
Tennessee, through Corinth, MS, to Decatur, AL, to Bham, AL, where we'll =
spend

=46riday night, on to Montgomery and Columbus, Georgia. All in reverse, =
with no
nightly stopover, on Sunday afternoon/evening.

Hope to speak to a couple of you during the travels. Keep an ear tuned =
to the
more popular local repeaters. If there is a band opening, I'll be on =
146.52
=46M simplex!

--
Marty, N5NW

-----=

Memphis, Tennessee =
<http://home.earthlink.net/~mwattcpa>

Date: Thu, 16 Sep 1999 22:13:40 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: QRP List <qrp-l@lehigh.edu>
Subject: [50551] That WaCkY AtOmIC cLOcK!
Message-ID: <Pine.OSF.3.95.990916215726.2761B-100000@saturn4.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Boyoboyoboy! The mailman had a big box on the steps of the ol' W8KC QTH
yesterday. I could hardly contain myself as I lunged for the package.

"Whoa, this is kinda light..." I thought to myself.

"Holy Cats!" I said aloud (well... something to that effect) when I
opened the box and found that tiny lil' LCD clock. Geez... I never
bothered to look at the website. The clock was quite dimunitive and
unimpressive, as one would think an "atomic clock" WOULD be.

So... I popped a couple of AAA's into it and watched as the little antenna
merrily flashed while the clock tried to sinc up with the ULF signal from
Fort Collins. Nothing happened so I but the clock on a window sill and
made some din din.

Later that evening, I glanced up at the clock and was pleased to see it
had indeed found a signal and had set itself as well as the date! Which
was a pleasant surprise. GMT time and date always causes commotion with
the foxhunt players.

Just for grins, I took the contraption down to the shack to see how well it was working as I tuned in 5.0000000000 MHz WWV. I could not stop my grin, as the clock ticked in EXACT beat with WWV.

So even though it's a tiny little son of a gun, it's a keeper :-)
Actually, it's no smaller than the LCD clock I was using for the past 10 years!

As a side note... I listened to WWV this morning on my mobile FT-100, and found that the GPS unit in the car, did NOT tick off the time in exact beat with WWV. Interesting - no?

Thanks for another GREAT QRP-L group buy.

Trivia Question... do you know what the FIRST QRP-L group buy was?

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics
<<http://www.acs.oakland.edu/~prvalko>>

Date: Thu, 16 Sep 1999 20:20:02 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-l@lehigh.edu
Subject: [50552] 1999 ZOMBIE SHUFFLE 10-29
Message-ID: <Pine.SUN.4.10.9909161956410.4353-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Preliminary, pre-Y2K Announcement

1999 ZOMBIE SHUFFLE (since Zombie's don't SPRINT)

Over the past month, several have inquired if there will be another Zombie Shuffle this year for Halloween. YES there will be. Like last year, it will be a "Friday Night Special" sort of thing ... OCTOBER 29th, 1999. This is so the event will not interfere with saturday night events you may have, or Halloween night (sunday) itself.

Unlike last year, there will be no prizes, as we pretty well exhausted the market for Zombie related stuff (Zombie movies, masks, etc.). But we will issue a real cool (yet to be designed) Zombie participation certificate

for one QSO or more, with special endorsements for the winners in each category.

For those new to QRP-L who don't have a clue what the Zombie Shuffle is, it is merely a fun little contest of a few hours friday evening, where you exchange your zombie number or area code, and the zombie numbers/area codes you work add up to yield your score. Multipliers last year, such as working prime numbers, YL's, etc. will be evaluated by the members of the High Order of Zombies to decide which multipliers we'll use this year.

So the official announcement will be posted shortly with the complete rules, how to get a zombie number, who the "Grand Zombies" are (worth more points if you work one), etc.

So pencil the ZOMBIE SHUFFLE on your calendar for friday night, October 29, 1999 (that's local, North America date and time!). And yes, it **IS** intended to operate from the privacy of your own home (no to-the-field credits) and you can even use your beam antennas too!

72, Paul NA5N
Zombie #004

Date: Thu, 16 Sep 1999 20:39:54 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-l@lehigh.edu, cqclist@cqc.org
Subject: [50553] OT: New Super Nova in Sagittarius
Message-ID: <Pine.SUN.4.10.9909162020090.4353-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,
If you're not interested in a little amateur astronomy or star gazing experience -- delete now. This is Off-Topic (OT) for QRP.

A couple of our staff astronomers at the NRAO Radio Telescope, have just discovered a nova in the constellation of Sagittarius (Sgr) that last night was emitting strong (.25Jy) radio, x-ray and gamma rays from the source GM Sgr at 18h 19m, -25deg. 24min (2000 epoch). It is not yet known if an optical brightness is or will be associated with this event. But if you live in a dark area and have a telescope, it might be worth keeping an eye on over the next few evenings in the event it goes optical. Of course it could become visable to the naked eye if strong enough.

Look due south early evening (sundown to midnight).

Find the half-moon.

It is about half way between the constellations of Sagittarius (on the left or south-east) and Scorpius (to the right or south-west).

Scorpius (or Scorpio) looks like a giant fish hook to the right of the moon. The bright star towards the top is Antares, and just above that right now is MARS.

Sagittarius is to the left of the moon, and the bright stars looks like a tea kettle with the handle to the left and the spout to the right. The milky way appears to come out of the spout as if steam. At the top of the "kettle" is a star that forms the lid. This GM Sgr nova is located about half way from the lid star to the spout star. There are no bright stars in this region, just millions of weak ones from the milky way. For you amateur astronomers, GM Sgr is a bit south of M8.

There may be a press release on this issued tomorrow by the observatory, which I will forward to qrp-1 for those interested. There has not been a good visable nova in our skies for many, many years (a lifetime for most of us). It is not known if this will become a visable nova yet. But a good excuse to gaze at the stars or dust off your scope if you have one.

GL, Paul NA5N

Date: Fri, 17 Sep 1999 02:40:40 -0400
From: Richard Arland <k7sz@epix.net>
To: QRP List <qrp-1@lehigh.edu>
Subject: [50554] 2-Way NC-20 QSO
Message-ID: <37E1E268.8F78A845@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just worked Terry, KQ5U in Spring, TX. Both of us were using NC-20s. Boy, do these rigs sound sweet! I got a 459 and I gave Terry a 559. I just may have to get the 40 meter version.

73 Rich K7SZ

Date: Thu, 16 Sep 1999 21:49:47 -0500
From: jmbrown@edge.net (JERRY BROWN)

To: na5n@rt66.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [50555] Re: 1999 ZOMBIE SHUFFLE 10-29
Message-ID: <37E1AC4B.41E2@edge.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul,

Guess we'll have to pass it up this year...

my wife and I will be located about 36N 43E in the so-called
no-fly zone of N. Iraq (the Kurdish area) on
a medical mission trip for 3+ weeks.

Please don't tell Saddam!

Now if I could just get my stealth DSW-20 working.

Jerry
Zombie #462

Date: Thu, 16 Sep 1999 21:50:19 -0500
From: "Nick Kennedy" <nkennedy@cswnet.com>
To: <dlh1009@ritvax.isc.rit.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [50556] Re: NORCAL's toroid kit - designers info [long]
Message-ID: <002601bf00b7\$61e55d60\$9ac888d1@big>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: David Hinerman <dlh1009@ritvax.isc.rit.edu>

The 200 ohm load is transformed to 50 ohms by the
transformer, but the transformer has inductance which appears as a
reactance in parallel with the transformed load impedance. (Did I get
that part right?)

Oh boy, what a question. I've been on a quest to understand transformers for some time, but I don't know how close I am.

The typical model for a transformer has a leakage inductance and a magnetizing inductance. The leakage inductance always becomes a reactance. The magnetizing inductance ... I'm not so sure. If you open circuited one side of the xfmr, the side that's energized is definitely just an inductor ... leakage plus magnetizing inductance.

But if the transformer is loaded (quite a bit more current than you had with the load side open), the magnetizing inductance sort of "goes away" in comparison with the reflected load resistance. What I'm visualizing is the current in the secondary creating a magnetic field that cancels the field from the current in the primary, and the transformer's inductance becomes ... transparent.

Then your model can become just leakage inductance in series with an "ideal" transformer. Ideal meaning it transforms voltages/currents in accordance with its turns ratio but doesn't add any reactance. And if leakage inductance is small (as would be expected with transformers wound on a high permeability core), you're left with just an ideal transformer.

Arguments? Clarifications? Enlightenment?

72,

Nick, WA5BDU

Date: Thu, 16 Sep 1999 22:59:03 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [50557] Fun QSO with Storm Station
Message-ID: <3.0.32.19990916225900.00727ae8@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Had a QSO with ROB KK4R on 40 this evening. He was running a Norcal rig on batteries...utility power out...to an antenna hastily repaired. QTH Yorktown,Va. He said he lost a big pine tree but it missed his house. He had a great signal at 1 watt. He was using a candle to see with. Guess that's ham radio at it's finest!
73 Pete NV4V

Date: Thu, 16 Sep 1999 20:18:51 -0700
From: Russ Dow <n7dw@garlic.com>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [50558] Re: BATTERY RATING QUESTION
Message-ID: <37E1B31A.D522FC12@garlic.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alan and the gang,

I just looked at the figures on Whiterook's page. They are as Alan related, but my seat-of-the-pants feeling is that 14 amp-hours from a D cell sounds far too high. Might there be a decimal error? I wonder if 1.4 Ah would be closer to the truth. Eight D cells in series would be a bit smaller than a 1.2 Ah gel cell.

73,
Russ N7DW

ARDUJENSKI@aol.com wrote:

> At the WHITROOK site (<http://electronicsusa.com/batteryinfo.html>) there is
> info for Alkaline and NiCd batteries on ratings. For example a D-cell is
> rated for 14,000 mAh. Am I correct in assuming that if I series 8 of these I
> will have a 12V 14 Ah power source? Alan KB7MBI

Date: Thu, 16 Sep 1999 23:20:39 EDT
From: Macstein@aol.com
To: qrp-l@lehigh.edu
Subject: [50559] Second thoughts - QRP-L and "happy dances"
Message-ID: <b732b90d.25130d87@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

My friend Mike M. KU4Q0's tag line says "Has anyone seen my youthful exuberance? I must have misplaced it." Mine eeks out before I think

sometimes.

"Happy Dance" postings walk a fine line between "yippee" and flat out "bragging". Some of us are "sensitive" and others are "insensitive", as recent flare ups on the list have indicated. I broadcasted to the world when I passed the Advanced and Extra exams, certainly proof that almost ANYONE can apply themselves and accomplish the feat (Chuck, K7Q0 told me that some time back). It was not my intention to "brag", but it may have come across that way, and I sent the post before thinking. (Ron, KU7Y has warned me about that (grin)). Believe me, I've got nothing to BRAG about but my friends who helped me along the way! I also did not intend to belittle anyone else, nor their accomplishments. Last year I asked KB0VVT to QRS for me and discovered it was 8 year old Extra Class holder Rebecca Rich. Our friend Ben, NW7DX (Extra at 14) probably has WAS QRP two times over! Very gifted ops. Obtaining Extra class was a goal. I wanted to do it before the big restructure, and before my birthday (K2 reward!) Now I want to be a good operator, and I'm going to work at it. Thanks for your patience and the venting bandwidth!

72

-MAC-

KF4KSM

A "SWAMP RAT" Fox hunter

Odessa, FL

Date: Thu, 16 Sep 1999 23:44:46 EDT
From: RLucch2098@aol.com
To: qrp-l@lehigh.edu
Subject: [50560] fs- 40 mtr QRPP xmtrs, Agn!
Message-ID: <515b924b.2513132e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Fellas;

This is the second posting because i still have few of these left.

Please do not say you want one and not follow thru, last time there were a few that did so!

I have for SALE:

A Bunch of 40 meter cw Qrpp transmitter circuit boards, all complete and just require a 40 mtr xtal, power and antenna. They come with a schematic and are new!

They are 3 transistor, 2-2n2222, 1-2n3053, have toroid output, require 12 vdc. Maybe can be used as a driver? Experimental? Power out is Very low, My wattmeter hardly moves.

Please do not ask technical questions as I am not technically oriented.

I have placed a .JPG picture of it on my site so if you have questions or want to see it, heres the URL>>

<http://member.aol.com/rlucch2098/qrpp.jpg>

Some may vary slightly from this picture.

Price is \$13.20 ea. ppd Priority mail.

Thanks es 73....Rich WA2RQY (1961)

RLUCCH2098@aol.com

"Keep those heaters on"

Date: Thu, 16 Sep 1999 22:47:06 -0500

From: Brian Murrey <brian@iquest.net>

To: Macstein@aol.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [50561] Re: Second thoughts - QRP-L and "happy dances"

Message-ID: <37E1B9BA.AF938ADF@iquest.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

The only thing I have to say about that is this...

THE UNDERDOGS WILL KICK THE SWAMP RATS BACK TO THE BAYOU!!

WE WILL BE DOING THE HAPPY DANCE!! ARR0oooo000ooooooo!!!!!!

Same goes for me Mac...although I don't have much to brag about! <heheh> Fine hams like you, Dean, abt everyone on this list, have helped me earn my little awards.

BTW, thanks for standing by when I was working AI2M last night, it was great to hear from you as usual.

One other thing, can I borrow your K2? I mean, we ARE friends aren't we?

Macstein@aol.com wrote:

> My friend Mike M. KU4QO's tag line says "Has anyone seen my youthful

> exuberance? I must have misplaced it." Mine eeks out before I think

> sometimes.

>

> "Happy Dance" postings walk a fine line between "yippee" and flat out

> "bragging". Some of us are "sensitive" and others are "insensitive", as

> recent flare ups on the list have indicated. I broadcasted to the world when

> I passed the Advanced and Extra exams, certainly proof that almost ANYONE can

> apply themselves and accomplish the feat (Chuck, K7QO told me that some time

> back). It was not my intention to "brag", but it may have come across that
> way, and I sent the post before thinking. (Ron, KU7Y has warned me about
> that (grin)). Believe me, I've got nothing to BRAG about but my friends who
> helped me along the way! I also did not intend to belittle anyone else, nor
> their accomplishments. Last year I asked KB0VVT to QRS for me and discovered
> it was 8 year old Extra Class holder Rebecca Rich. Our friend Ben, NW7DX
> (Extra at 14) probably has WAS QRP two times over! Very gifted ops.
> Obtaining Extra class was a goal. I wanted to do it before the big
> restructure, and before my birthday (K2 reward!) Now I want to be a good
> operator, and I'm going to work at it. Thanks for your patience and the
> venting bandwidth!
>
> 72
> -MAC-
> KF4KSM
> A "SWAMP RAT" Fox hunter
> Odessa, FL

--

```
=====
KB9BVN -NORCAL #2792 FISTS #5695 QRP-L #1540
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - NORCAL 40A - Attic Dipole - 1.5w
Proud to be a member of the American Radio Relay League
Foxhunting Team UNDERDOG - Underdog #4
FISTS Century Club #764 - FISTS QRP Century Club #24
=====
```

Date: Fri, 17 Sep 1999 04:03:34 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: qrp-l@lehigh.edu
Subject: [50562] Antenna Tuners
Message-ID: <37e1bd10.181487078@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Been discussing tuners with a few friends offline, and would like to ask =
what
tuners are being used out there in the QRP and (yikes) QRO community, in
particular those that will handle random-type wire antennas (not true
longwires, but one of those "get as much wire as you can in the air"
antennas). QRO capable would be nice, but QRP functionality and matching
ability is PRIME. Whatcha' think?

--

Marty, N5NW

Memphis, Tennessee

http://home.earthlink.net/~mwattcpa

Date: Thu, 16 Sep 1999 21:06:00 -0700
From: Jeff Grudin <grudin@vdb.com>
To: qrp-l@lehigh.edu, elecraft list <elecraft@qth.net>
Subject: [50563] Zero Beat indicator
Message-ID: <37E1BE28.6411591C@vdb.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jerry and the group,

My parts finally arrived this afternoon from Mouser. (UPS problem not Mouser) So I built Jerry's little circuit. It is way cool.

I have it on my bench with wires running everywhere including across the room to my FT 1000. I hooked it up to the phone jack on my Yaesu and it works great. From off to off is about 50Hz. You can easily get withing 20Hz of center. The FT1000 has one of these indicators in it and Jerry's follows it pretty well.

The hardest part of building it is getting the pot set. With a 15 turn pot, it is hard to find the right 1/4 of a turn where you have to be.

Now to put it into the K2.

Thanks Jerry for a great little addition to a great rig. Everyone should make one of these, even if you don't need it, it is way cool.

--

73 de AC6KW <mailto:grudin@vdb.com>
Jeff Grudin, DVM Web Add: http://www.vdb.com/~grudin
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Thu, 16 Sep 1999 23:24:21 -0500
From: Brian Murrey <brian@iquet.net>
To: mwattcpa@earthlink.net

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [50564] Re: Antenna Tuners
Message-ID: <37E1C275.4CEA630E@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I built my Emtech ZM-2 tuner last year and I still love it.

Coax or wire...it does it all...I think you could load up a lawn chair with this tuner.

72

Marty Watt wrote:

> Been discussing tuners with a few friends offline, and would like to ask what
> tuners are being used out there in the QRP and (yikes) QRO community, in
> particular those that will handle random-type wire antennas (not true
> longwires, but one of those "get as much wire as you can in the air"
> antennas). QRO capable would be nice, but QRP functionality and matching
> ability is PRIME. Whatcha' think?

>

> --

> Marty, N5NW

>

> _____
> Memphis, Tennessee <http://home.earthlink.net/~mwattcpa>

--

=====
KB9BVN -NORCAL #2792 FISTS #5695 QRP-L #1540
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - NORCAL 40A - Attic Dipole - 1.5w
Proud to be a member of the American Radio Relay League
Foxhunting Team UNDERDOG - Underdog #4
FISTS Century Club #764 - FISTS QRP Century Club #24
=====

Date: Thu, 16 Sep 1999 22:05:46 -0700
From: Phil Wheeler <w7ox@mindspring.com>
To: QRP List <qrp-l@lehigh.edu>
Subject: [50565] ZM-2 Complete
Message-ID: <37E1CC2A.4F0BA879@mindspring.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I finished my ZM-2 a bit ago; used some hot glue to spot-glue the big torroid to the caps in a couple of places (before and after tests show no performance change). Seems to work as advertized. Sharp and definite null of the LED. And when I check the VSWR with the meter between the radio and the ZM-2, the match is as perfect as it can detect.

One slight bother. Into a dummy load my power meter reads about 2.5 watts. Tuning an antenna with my LDG qrp tuner gives the same result.

With the ZM-2 the measured output is closer to 2.0-2.1 watts, a significant difference percentage wise (but not much real signal difference on the other end). I'm wondering if anyone else has done this test and made equivalent measurements? Antennas are a tri-band beam and a G5RV, by the way -- coax fed, to the link is grounded.

I suppose that there could be some loss in the tuned circuit, and in the coupling to the link.

Any thoughts on, or experience, with this? Is there some error in wiring I could have made that would do this?

Please email me direct (and the list, if you like) but not just the list; I have qrp-l and other "mass mailings" suspended due to limited on-line tome just now.

73, Phil

Date: Fri, 17 Sep 1999 01:15:07 EDT
From: GElam30092@aol.com
To: qrp-l@lehigh.edu
Subject: [50566] Re: Zero Beat indicator
Message-ID: <e4be3c6e.2513285b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In a message dated 9/16/99 9:14:38 PM US Mountain Standard Time, grudin@vdb.com writes:

<< Thanks Jerry for a great little addition to a great rig. Everyone should make one of these, even if you don't need it, it is way cool. >>

Can someone repost the details of this circuit? I got to the dance late and missed the original post.

BTW, I'm finishing up the RF board and should wrap it up tomorrow.

Cheers,
Gerry
PHX AZ

PS: Prescott should remind Chuck of Texas. They've had hail storms and several tornados there in the last 24-hours.

Date: Fri, 17 Sep 1999 00:18:55 -0500 (CDT)
From: aweiss@usd.edu (Ade Weiss WORSP)
To: qrp-l@lehigh.edu
Subject: [50567] RE: SLV 101 Quiz
Message-ID: <199909170518.AAA20364@sunburst.usd.edu>

Hi gang:

The St Louis Vertical, Express (SLX), and Radials have become pretty popular and look easy and inviting -- a fishing pole, a piece of twinlead or computer ribbon 20-ft up to the top, and "resonant" radials cut from computer ribbon beneath. Hook this up to 50-Ohm coax or 300-Ohm twinlead, and voila', an all band "remotely tuned" vertical covering from 40m-10m.

Really?

Recall the basic original SLV -- a 20-ft piece of twinlead, conductors shorted at the top, and the unfed side cut 6-ft from the bottom to produce 34-ft of continuous radiator (20 up, 14 down). The feedline is attached to the uncut side of the twinlead and connected to the transmitter through an antenna tuner for a 1:1 SWR. To switch bands, just retune the transmitter and ATU for a 1:1 SWR and go for it.

Now, for the quiz.

(1) Given the 34-ft length of continuous radiator (a physical quarterwave of wire at around 7mHz), the SLV's resonant frequency is (pick one):

- (a) 7040
- (b) 7650

- (c) 8260
- (d) 8750

(2) At around 7040, the base impedance to which the coax or twinlead is connected is in the vicinity of:

- (a) 112 -j220ohm
- (b) 45 +j30hms
- (a) 25 -j35ohms
- (d) 14 -j150ohms

(3) When RG8x foam 52-Ohm coax is connected to the base of the SLX and fed at 7040, the resulting SWR at the feedline connection to the base of the SLV is about:

- (a) 2:1
- (b) 8:1
- (c) 16:1
- (d) 30:1

(4) When 300-Ohm twinlead is used, the resulting SWR at the feedline / SLV connection is about:

- (a) 2:1
- (b) 8:1
- (c) 12:1
- (d) 24:1

(5) Given the feedline SLV base mismatch with 52-Ohm coax, the SWR loss will be around:

- (a) 0.25dB
- (b) 1.0dB
- (c) 2dB
- (d) 4dB

(6) Consequently, when 5 watts are fed into the 52-Ohm coax, the amount of power actually going into the SLV and radiated is about:

- (a) 4.9 watts
- (b) 4 watts
- (c) 3 watts
- (d) 2 watts

(7) Similarly, when 5 watts are fed into the 300-Ohm twinlead, the amount of power actually going into the SLV and radiated is about:

- (a) 4.9 watts
- (b) 4.4 watts
- (c) 4.2 watts
- (d) 3.8 watts

(8) The difference between the power fed into the feedline and that actually radiated by the SLV is:

- (a) dissipated in feedline ohmic resistance (i.e., SWR loss)
- (b) dissipated in the antenna tuner components
- (c) fed into the ground via the radials

Well, that's the SLV 101 quiz!

Bone up for the SLX 101 quiz! Then the SL Radials 101 quiz!
They're coming soon.

I hope this little exercise has proven to be enjoyable.

72, Ade

Date: Thu, 16 Sep 1999 23:33:00 -0600
From: Jeff Francis <jfrancis@frii.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [50568] Re: That WaCkY AtOmIC cLOcK!
Message-ID: <19990916233300.A16514@geek.noducks.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On Thu, Sep 16, 1999 at 10:13:40PM -0400, Paul R. Valko wrote:

> Boyoboyoboy! The mailman had a big box on the steps of the ol' W8KC
> QTH yesterday. I could hardly contain myself as I lunged for the
> package.

> "Whoa, this is kinda light..." I thought to myself.

> "Holy Cats!" I said aloud (well... something to that effect) when I
> opened the box and found that tiny lil' LCD clock. Geez... I never
> bothered to look at the website. The clock was quite diminutive and
> unimpressive, as one would think an "atomic clock" WOULD be.

Heh. Exact same impression I had. I love mine, too.

> As a side note... I listened to WWV this morning on my mobile
 > FT-100, and found that the GPS unit in the car, did NOT tick off the
 > time in exact beat with WWV. Interesting - no?

This was discussed at great length in the GPS newsgroup a year or so ago. With Garmins (and likely others, as well), the time displayed on the clock is not necessarily synced up to the ultra-accurate time kept "inside". The displayed clock time can be up to .99999... seconds off from the "real" time. When the error reaches 1.00000 seconds, the clock will jump forward or backward an extra second to correct. Very annoying, but still probably accurate enough for most uses. The good news is that (for whatever reason), the NMEA-0183 data spewed out the serial port doesn't seem to exhibit this behaviour.

Several things to note here. First, this behaviour was determined by experimentation, not by "official word" from Garmin. Second, this may be different for different manufacturers (or even newer models of Garmins, though my fairly new GPS-12xl exhibits all of these characteristics). Finally, there are a number of GPSes (including some Garmins) that have ultra-accurate 1pps clock lines on them. For more info, see the TAPR web page (<http://www.tapr.org>) and click on their "totally accurate clock" link, and see the definitive GPS info page, <http://joe.mehaffey.com>.

--

Jeff Francis - KC0BWS		Ack!
Level Three Communications		____/
Denver, CO USA DM79nr	You cannot strengthen the	\ o.0
	weak by weakening the	=()=
39d43m16.4s N 104d52m10.7s W	strong.	U
jfrancis@frii.com jeff@l3.net	--Unknown	
http://www.frii.com/~jfrancis		PRR...

 Date: Fri, 17 Sep 1999 00:36:25 -0500 (CDT)
 From: aweiss@usd.edu (Ade Weiss WORSP)
 To: williswonkas@email.msn.com
 Cc: qrp-l@lehigh.edu
 Subject: [50569] MiniBeams
 Message-ID: <199909170536.AAA23836@sunburst.usd.edu>

Hi Ken:

I tested the predecessor of the Hybrid quad (just lacked the diamond loops)

back in the early 1970's. Despite painstaking back-n-forth trimming, cutting tuning etc, I could never bring the thing up higher than 4dB below a reference dipole on 20m. I filled half a notebook with dimensions and field-strength measurements. Boy, I really wanted that thing to work. It was so cute and easy to hang at 50-ft on a TV mast and TV rotor.

So, no, this antenna is only as good as feeding less than half your power to a dipole at the same height. The diamond loop stuff won't make any difference.

I haven't tested the other two beams, so anyone else?

72, Ade

Date: Thu, 16 Sep 1999 22:53:36 -0700
From: "Dave Fifield" <fifield@pacbell.net>
To: <aweiss@usd.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [50570] Re: SLV 101 Quiz
Message-ID: <01ab01bf00d0\$fd3575c0\$0100a8c0@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Ade,

Don't know what you're trying to show here - maybe that the SLV could be better designed? It certainly looks like a tongue in cheek quiz to me. If so, please give us the real answers and then let us have the dimensions that would improve it. I'm sure there are lots of people (me included) who would love to mod their SLV's to get out better!

Thanks es 72,
Dave, AD6A

Date: Fri, 17 Sep 1999 03:34:15 EDT
From: charles k brown <n4so@juno.com>
To: qrp-l@lehigh.edu
Subject: [50571] Tuna Tin 2 transmitter
Message-ID: <19990917.073217.6679.5.n4so@juno.com>

Updated parts list and schematic diagram

Notes

Hendricks, Doug, "Back to the Future: The Tuna Tin 2"

QRPP Magazine, Spring 1998, p. 49-55.

A Tuna Tin 2 is a two-transistor transmitter with Q1 and Q2 the 2N2222A--
Q2 is driven at about 350 milliwatts output.

Pictures, updated parts list by Dave Meacham and
FAR Circuits listed as a source for the boards. FAR
Circuits, 18N640 Field Court, Dundee, IL 60118.

At the time of the article the board only was \$6.50 and
parts were obtained from Mouser and RadioShack. Parts
count is roughly 20 plus a few jacks, and an empty Tuna can.

QST May 1976 p. 15 is the original source by W1FB.

Ken Brown N4SO

Mobile, AL/EM50tk

NorCal-20/5 watts/4 ele. beam

Get the Internet just the way you want it.

Free software, free e-mail, and free Internet access for a month!

Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 16 Sep 1999 23:53:13 -0700

From: Dan Presley <talljazz@teleport.com>

To: qrp-1@LeHigh.edu

Subject: [50572] FS-SW 40 plus RIT & enclosure

Message-ID: <v0300780fb4079557744f@[216.26.7.9]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

SW-40+ "Elmer 101" 40 M transciever assembled and in use with Small Wonder enclosure. It's tuned up to a full 2+ watts out. Also included is the RIT kit (unassembled) with the front panel drilled to accept the kit. NOTE: one hole is slightly off center-(the drill drifted when I went to make the hole! I did center punch it, but the bit wasn't as sharp as it should have been :() You may have to enlarge the hole, or adjust the mounting of the knob, but it looks like this could be done. Just wanted to make a 'full disclosure'! \$100.00 includes shipping USPS (new price for all is \$118). I have all the manuals as well.

Dan Presley

talljazz@teleport.com

(503) 232-8244

pager (503) 229-8682

Date: Fri, 17 Sep 1999 02:06:47 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [50573] WB5QYT contest agenda
Message-ID: <37E1F697.72C@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Will be driving up to the Sandia Crest(10,500ft) just a little east of Albuquerque. Hiking for about 30 minutes to the north and setting up with ex-neighbor AA5B(FB contest op!)

Rigs: DSW-20, SW-40+, AEA DX Handy 10m
Antlers: J-pole for 20m and 40m...
Taking along my Delta kite and may try to loft the antler that way>
weather permitting.Have to find a good bleeder resistor!

Also taking an HT for 146.52 so I can com with WA5WHN who will be on another peak, I would guess about 50 miles away. Jay and I met as Novice hams when we were wild teenagers here in Albuquerque about 30 yrs ago. Sorry Jay, now they know how old we are!

Wishing all a fun time, and hope to work you!!

72, Tom WB5QYT...."Have spud will travel!"

Date: Fri, 17 Sep 1999 02:14:49 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [50574] WB5QYT contest agendapart 11
Message-ID: <37E1F879.15B7@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Almost forgot!! Am leaving the PAL(Pnuematic Antenna Laucher) at home this time. A misplaced shot could mean injuring a hiker that might be 5k feet lower than we are! "Safety First", I always say!

Also, taking the NC-20...Love that rig now that I did the RIT mod, and put in a new regulator...NO CHIRP!!

72, Tom WB5QYT

Date: Fri, 17 Sep 1999 10:19:39 -0400
From: wa8rxi@juno.com
To: qrp-l@LeHigh.EDU
Subject: [50575] Re: HeathKit HW-8
Message-ID: <19990917.102027.-221187.5.wa8rxi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

QRP'ers

Thank you for the great response.
My HW-8 and power supply has found a good home.

But, I have saved everyone's address, just incase.

Rick Arzadon - WA8RXI
6056 Hipp
Taylor, MI 48180

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Date: Fri, 17 Sep 1999 07:28:33 -0400
From: mikemo@ibm.net
To: mwattcpa@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [50576] Re: Antenna Tuners
Message-ID: <37E225E1.9DEA8F0B@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Marty Watt wrote:

> Been discussing tuners with a few friends offline, and would like to ask what
> tuners are being used out there in the QRP and (yikes) QRO community,

Marty,

I use an old Swan 2 kilowatt tuner for qrp. It is much larger than any of my rigs. As my friend L.B. Cebik says, "the bigger the better".

Bigger parts=lower loss.

It is not portable though. One of these days I will finish my Link Coupled tuner for portable work.

72 de ku4qo

Date: Fri, 17 Sep 1999 07:45:55 -0400

From: mikemo@ibm.net

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [50577] Re: SLV 101 Quiz

Message-ID: <37E229F3.BA2F838A@ibm.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I know this has been asked over and over, but where do you find the 20' fishing pole? How much does it cost? I'd like to make a 17 meter rotatable dipole out of a pair of them.

As for the quiz, if I get a few spare days to spend with the ARRL antenna book I'll take a shot at it ;-) I'm sure some of the antenna gurus on the list can answer these questions.

BTW, I worked Australia on 15 meters last night (02:30 utc). That's about as far as you can get from here! So the TS-830 has some "Mojo" too (K2 joke).

72 de ku4qo

Mike Maiorana

Date: Fri, 17 Sep 1999 08:01:45 -0400

From: mikemo@ibm.net

To: n7dw@garlic.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [50578] Re: BATTERY RATING QUESTION

Message-ID: <37E22DA9.CDA86F94@ibm.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Russ Dow wrote:

> I just looked at the figures on Whiterook's page. They are as Alan related, but
> my seat-of-the-pants feeling is that 14 amp-hours from a D cell sounds far too
> high.

Russ,

Nope, a good alkaline D cell is about 14 amp hours. I think 8 of them would be bigger than a 1.2 amp hour gell cell. Remember the cost though. At two dollars each that energy density comes at a price.

The higher capacity NiCad D cells are close to 5 amp hours each, and are rechargeable. They also tolerate a deep discharge that the Gell cell batteries don't handle well.

I think a pack of 10 D cell nicads (1.2 volts each) would make a good battery pack for portable use.

72 de ku4qo, Mike Maiorana

Date: Fri, 17 Sep 1999 07:03:06 -0500

From: "Chuck Carpenter" <w5usj@globeco.net>

To: mwattcpa@earthlink.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [50579] Re: Antenna Tuners

Message-ID: <3.0.2.32.19990917070306.007eca80@bosshog.globeco.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Marty et al,

The ZM-2 ATU kit from Emtech is a great choice. It is QRP and up to 15 watts with a measured efficiency of better than 98%. I've found it works well up to 6 meters too. Boat anchor type tuners may have slightly better efficiency (and most do not) but you can't do much better for QRP than the ZM-2 .

Efficiency was measured using the techniques described by Frank Witt, AI1H, in QST, April and May, 1995. He also has an article using similar techniques to evaluate baluns in the ARRL Antenna Compendium Vol 5.

Charles Lofgren, W6JJC, describes an improved single band Z-match ATU in the same compendium. Lots of good info here about the pros and cons of the Z-match

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Fri, 17 Sep 1999 06:10:36 -0600

From: "William R. Colbert" <af852@rgfn.epcc.edu>

To: qrp-1@lehigh.edu

Subject: [50580] Re: MiniBeams
Message-ID: <37E22FBB.6FED6751@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ken, I agree with Ade - I had two versions of the Hi-Q (I think it was) Mini-Beams, which used the spokes for end loading - there was a 2 element and a three element version, and only on 10 was there some semblance of forward gain and f/b ratio. On 20, it was bidirectional and I think only slightly better than no antenna. A correctly oriented end fed wire or dipole at moderate height will do you a much better job. GL.

73
Ray

--

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, OOTC 3618, SOWP 1064M NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Fri, 17 Sep 1999 08:07:20 -0500
From: Brian Murrey <brian@iquest.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [50581] My turn!
Message-ID: <37E23D08.40A7D1BB@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just noticed that I haven't asked a stupid question yet this month, so here goes. This weekend I have to teach 12 young dudes the basics in the fine art of becoming a good and decent archer.

During this time I will have several hours of inactivity and I want to take my ZM-2, 40A, and dipole to the woods.

My question....I have a 4.5 Amp/Hr 12VDC sealed lead acid battery, that's charged, but I have no charger to take with me. If I run this thing dead, can I charge it from the alternator in my van? Just hook the jumper cables to it and the battery in my van while the engine is running?

How long will a charge take? (15 mins?)

--

```
=====
KB9BVN :NORCAL #2792 FISTS #5695 QRP-L #1540
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - NORCAL 40A - Attic Dipole - 1.5w
Proud member of the American Radio Relay League
Foxhunting Team UNDERDOG - Underdog #4
FISTS CC# 764 - FISTS QRP CC# 24
=====
```

Date: Fri, 17 Sep 1999 08:07:57 -0500
From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>
To: qrp-l@lehigh.edu
Subject: [50582] band conditions / 1000 mpw
Message-ID: <KEKLOBNJFGOKAAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

All,

I don't know if it's a pattern but last night band conditions were pretty good. I talked with a QRO op in Maine (350W) with my 500 mW. 599's were exchanged both ways. I told him I was running 500 mW, suddenly there was QSB on his end :)

2,587.6 miles/watt. Hope this continues through the weekend...

See y'all in the contest,
Joel NF9K

Joel Kluender, NF9K
870 Prairie Street S.
Shakopee, MN 55379

Great is the Lord, and worthy of praise!

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<http://www.eudoramail.com>

Date: Fri, 17 Sep 1999 09:31:39 -0400
From: "Hugo Catta" <h.catta@worldnet.att.net>
To: <w7ox@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [50583] Re: ZM-2 Complete
Message-ID: <001a01bf0110\$f9c672a0\$a5da4e0c@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Phil Wheeler <w7ox@mindspring.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Friday, September 17, 1999 1:05 AM
Subject: ZM-2 Complete

.....snip.....

> One slight bother. Into a dummy load my power meter reads about 2.5
> watts. Tuning an antenna with my LDG qrp tuner gives the same result.
>
> With the ZM-2 the measured output is closer to 2.0-2.1 watts, a
> significant difference percentage wise (but not much real signal
> difference on the other end0 I'm wondering if anyone else has done this
> test and made equivalent measurements? Antennas are a tri-band beam and
> a G5RV, by the way -- coax fed, to the link is grounded.
>
> I suppose that there could be some loss in the tuned circuit, and in the
> coupling to the link.

.....snip.....

The LDG, due to its L-C (or C-L configuration) should be less lossy by nature.

The link coupling gets lossier than the L-C, the farther away in impedance matching you go, (well....most circuits do, some more than others). Instead of a wattmeter I compared a (similar to) ZM-2 to a simple LC tuner with a uncalibrated field strength meter.

Very crude gadget but good enough for relative comparisons.

Using a random wire c. 50ft long hanging from a tree at about 45degrees angle, I placed the FSM on the ground at c.30 ft from the antenna. Using my binoculars, (not to disturb the matching with my body if I get closer to read the meter), I compared both readings and the result was always favourable to the simple LC with or without counterpoise in all bands tested, (40, 20, 17, 15.....don't recall if I measured 30 too).

Percentage?dunno. Like I said: the gadget is not calibrated. Just a 2ft length of wire, a couple of diodes rectifying the RF and a microamp. Lets say that about 25 to 35% of the scale, but remember it is largely logarithmic I also tried a 4:1 balun at the output of both tuners.... Although I tested unbalanced loads only and the field strength was somewhat less with the balun, the instrument still deflected more with the LC circuit. Since Floyd knocked down my ladder line fed 66ft dipole, I'll use the opportunity of rebuilding it to make comparisons with this balanced load. If more high winds manage to knock down the 134ft dipole, I'll have more material to work with :-)

But what you said, Phil, about who will notice at the other end holds true if we are talking just a couple of dBs.

72,
Hugo
CX9AAK/W2

Date: Fri, 17 Sep 1999 06:37:24 -0700
From: Phil Wheeler <w7ox@mindspring.com>
To: Hugo Catta <h.catta@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [50584] Re: ZM-2 Complete
Message-ID: <37E24414.A6082C30@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks, Hugo. Glad to have someone else verify my experience.

I figured it had to do in somewhat with the design, since I did double check my wiring and it does work (very well, in fact).

I was amazed at how quick it is to adjust accurately to a point where the meter I'm using reads 1:1 .. using only the LED as a tuning indicator. ZM-2 is definitely a winner for portable qrp!

Phil

Hugo Catta wrote:

>
> ----- Original Message -----
> From: Phil Wheeler <w7ox@mindspring.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

> Sent: Friday, September 17, 1999 1:05 AM
> Subject: ZM-2 Complete
>
>snip.....
>
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> > watts. Tuning an antenna with my LDG qrp tuner gives the same result.
> >
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> > a G5RV, by the way -- coax fed, to the link is grounded.
> >
> > I suppose that there could be some loss in the tuned circuit, and in the
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>
>snip.....
>
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> Very crude gadget but good enough for relative comparisons.
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> read the meter), I compared both readings and the result was always
> favourable to the simple LC with or without counterpoise in all bands
> tested, (40, 20, 17, 15.....don't recall if I measured 30 too).
> Percentage?dunno. Like I said: the gadget is not calibrated. Just a 2ft
> length of wire, a couple of diodes rectifying the RF and a microamp. Lets
> say that about 25 to 35% of the scale, but remember it is largely logarithmic
> I also tried a 4:1 balun at the output of both tuners.... Although I tested
> unbalanced loads only and the field strength was somewhat less with the
> balun, the instrument still deflected more with the LC circuit.
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> opportunity of rebuilding it to make comparisons with this balanced load.
> If more high winds manage to knock down the 134ft dipole, I'll have more
> material to work with :-)
> But what you said, Phil, about who will notice at the other end holds true
> if we are talking just a couple of dBs.
>
> 72,
> Hugo
> CX9AAK/W2

Date: Fri, 17 Sep 1999 07:56:02 -0600
From: Steve Kubisch <WW7Y@sisna.com>
To: qrp-l@lehigh.edu
Subject: [50585] Re: Antenna Tuners
Message-ID: <37E24871.D9B26972@sisna.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm using a Johnson Matchbox (250 W version). It's three times as large as the Sierra but according to L.B. Cebik it's internal losses are about as low as possible for a tuner. Link coupled, no balun in this old girl. After reading Demaw (another fan of the Matchbox) I looked for one for years. I found one on E-bay for a reasonable price, they show up there once in a while. If you want to know more about a link coupled tuner visit L.B. Cebik's website and look under Link Coupled Tuners. Bookmark this one as it's the premier antenna site on the net. If every Ham would read and understand all of L.B.'s articles, antenna companies couldn't get away with the crap they advertise.

I have a ZM-2 that I use for portable work and it works FB, and a lot easier to carry than the Matchbox ;>)

--
Steve Kubisch -WW7Y-
640 East 250 North
Centerville, Utah 84014
WW7Y@sisna.com
QRP-ARCI #8559 NorCal #258 QRP-L #94

Date: Fri, 17 Sep 1999 08:53:14 -0500
From: Karl.Kanalz@optelinc.com

To: mikemo@ibm.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [50586] Re: Antenna Tuners
Message-ID: <862567EF.004CCF0F.00@hdqsmtp01.optelinc.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

"... bigger parts" ALSO means bigger (better) Q in those tuned circuits! When it comes to L's and C's, you "buy" Q by the cubic foot!

Karl K - W8TIF
McKinney, Texas

mikemo@ibm.net on 09/17/99 06:28:33 AM

Please respond to mikemo@ibm.net

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc: (bcc: Karl Kanalz/hdq/Optel)
Subject: Re: Antenna Tuners

Marty Watt wrote:

> Been discussing tuners with a few friends offline, and would like to ask
what
> tuners are being used out there in the QRP and (yikes) QRO community,

Marty,

I use an old Swan 2 kilowatt tuner for qrp. It is much larger than any of my rigs. As my friend L.B. Cebik says, "the bigger the better".

Bigger parts=lower loss.

It is not portable though. One of these days I will finish my Link Coupled tuner for portable work.

72 de ku4qo

Date: Fri, 17 Sep 1999 09:59:33 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@lehigh.edu>, gqrp@onelist.com, towertalk@contesting.com,
antennas@qth.net, antennaware@contesting.com
Subject: [50587] site updates
Message-ID: <Pine.GS0.4.10.9909170951530.8723-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Since Sept 1 (official retirement date) I have updated a few things at the site, including the latest columns in the An-Ten-Ten-nas, Antennas >From the Ground Up, Continuing Education, and Antenna Modeling series. Also, I have updated the "Phased Yagi" VHF entry to include the G0GSF Vee-ed modification of the Landsdorfer parasitic array and added an item on wide-band, 10 dBi free space gain 6 element Yagis for 10, 6, and 2 meters (based on the NW3Z/WA3FET OWA design). There is also a small modification of the NEC Program item to list the new release of SuperNEC Lite from Poynting Software. Expect news soon of the new NECWin Plus NEC-2 Program, which should be out before the end of the month, along with an extensive text/tutorial on Basic Antenna Modeling. The site will also add a series on the Log-Cell Yagi Revisited as each of the 4 parts appear in NCJ.

I hope something of this potpourri may be useful to someone.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	Tel: (423) 938-6335
1434 High Mesa Drive	/	\	\	----	/	---	
Knoxville, Tennessee	/\	\	\	/	/		http://www.cebik.com
37938-4443 USA	/	\	\				e-mail: cebik@utk.edu

Date: Fri, 17 Sep 1999 10:10:16 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <mwattcpa@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [50588] Re: Antenna Tuners
Message-ID: <033b01bf0116\$7f574fc0\$9001a8c0@mikey.wn.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>Been discussing tuners with a few friends offline, and would like to
ask what
>tuners are being used out there in the QRP and (yikes) QRO community,
in
>particular those that will handle random-type wire antennas (not true
>longwires, but one of those "get as much wire as you can in the air"
>antennas). QRO capable would be nice, but QRP functionality and
matching
>ability is PRIME. Whatcha' think?
>
>Marty, N5NW

I have an MFJ-901. I think it's a fantastic. It has a built in balun
for long
wire use. I've loaded up a fence with it.

I've since found an MFJ-16010ST at a flea market. I thought it was
a 901 when I picked it up, and didn't realize it was different until I
got
it home. OOPS. The 16010 is actually an "L" tuner with two knobs,
but this has 3, and the circuit matches the 901, except that it has a
wound ferrite assembly on the switch instead of the open air coil.
They both have the dual so-239 and 4 banana jacks. I've not seen
the "ST" version of the 16010 listed anywhere.

The SO-239 output is nice, because I have had occasion where I
used a piece of RG-58 to get 'outside' and then tied a long wire
to the coax. I know, I know... But it worked.

I can't give a report on the 16010ST as I haven't operated it yet. I
CAN
say that the wires on the torroid are 'burnt' somewhat, so someone
may have been pumping some power. But there is no indication at all
of arcing on the cap plates.

My 901 was a great tuner, but it was real easy to arc over the caps.
When that happened, the plates 'melted' a bit at the arc, and now
shorted very easily. (I had loaned it to someone who had no respect
for borrowed equipment!) I had to take the whole thing apart and
use a jewellers file on the plates. It's back to working fantastic.

As to MFJ tuners in general? I think they work fantastic, but don't ever believe their power measurements. They're not fake, it's just that I think their power rating is what they will pass when the load is already a perfect match. When you need to 'tune' things, then voltages go high and they break down quite quickly. But for QRP, maybe up to 50 or 75 watts they are really good performers and compact to slip into a backpack.

Mike
N1DVJ

Date: Fri, 17 Sep 1999 10:34:04 -0400
From: "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [50589] Re: Antenna Tuners
Message-ID: <004401bf0119\$b304f540\$6401020a@lsiindustries.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Marty,

Here is the tuner I use. Works with long wires and balanced systems. The swr works great. If you run 1 watt or less, one one LED is required. for 5 watts, dual LED's are nice (course and fine tune)
<http://w3.one.net/~gentzow/qrp-tune.jpg>

72
Dieter WB8QYY
Loveland, OH

----- Original Message -----
From: Mike Yetsko <myetsko@insydesw.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Friday, September 17, 1999 10:10 AM
Subject: Re: Antenna Tuners

> >Been discussing tuners with a few friends offline, and would like to
> ask what
> >tuners are being used out there in the QRP and (yikes) QRO community,

> in
> >particular those that will handle random-type wire antennas (not true
> >longwires, but one of those "get as much wire as you can in the air"
> >antennas). QRO capable would be nice, but QRP functionality and
> matching
> >ability is PRIME. Whatcha' think?
> >
> >Marty, N5NW

Date: Fri, 17 Sep 1999 09:38:04 -0500
From: "Bob Reynolds" <breynd@sigg.com>
To: <mwattcpa@earthlink.net>, <qrp-1@Lehigh.EDU>
Subject: [50590] Re-Antenna Tuners
Message-ID: <99Sep17.093811cdt.155021@firewall.sigg.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

I've been using the "ultimate" for a number of years. Using standard BC = variables and a tapped air coil it will handle 100 watts and match = anything, including a 4 foot wire to a ground rod I used to check into a = 40m QRP net- using 1 watt! (not intended). NO, it is not a T match, I = talked to Lew about it and found out why he used a split-stator cap in the = input.

73, Red K5VOL

Date: Fri, 17 Sep 1999 10:58:08 -0400
From: "Hugo Catta" <h.catta@worldnet.att.net>
To: <w5usj@globeco.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [50591] OT ? QRO . Re: Antenna Tuners
Message-ID: <007f01bf011d\$0e520980\$a5da4e0c@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Chuck Carpenter <w5usj@globeco.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Friday, September 17, 1999 8:03 AM
Subject: Re: Antenna Tuners

> Marty et al,
>
> The ZM-2 ATU kit from Emtech is a great choice. It is QRP and up to 15
> watts with a measured efficiency of better than 98%. I've found it works
> well up to 6 meters too. Boat anchor type tuners may have slightly better
> efficiency (and most do not) but you can't do much better for QRP than the
> ZM-2 .
>
> Efficiency was measured using the techniques described by Frank Witt,
AI1H,
> in QST, April and May, 1995. He also has an article using similar
> techniques to evaluate baluns in the ARRL Antenna Compendium Vol 5.

According to Frank's charts in his article, when I run my KW thru my C-L-C
tuner plus balun into my ladder line fed 134ft dipole, I could fry an egg
on top of it in many settings.
The percentage of power loss would be in the 3 digit watts according to
those tables but the coils only get warm, (worst case), to the touch,
(miniductor 12ga. , 14ga in the balun), let alone trying to warm up my morning
bagel.

Obviously I'm missing something but I don't know how else besides heat and
ERP, power can manifest itself.

73,
Hugo
CX9AAK/W2

...snip....

> Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Fri, 17 Sep 99 10:56:30 -0400
From: chuck.olson@sbaonline.gov
To: qrp-l@lehigh.edu
Subject: [50592] ZERO BEAT INDICATOR
Message-ID: <9909171056.A8649wk@sbaonline.gov>
Content-Type: text

GR>The hardest part of building it is getting the pot set. With a 15 turn

GR>pot, it is hard to find the right 1/4 of a turn where you have to be.

Jeff and the group -

I built a zero beat indicator which was featured in the August, September and October 1996 issues of Circuit Cellar Ink magazine (issues 73, 74 and 75). The article was written by Ed Nisley, KE4ZNU, and is the last in his series of columns for that magazine. Back issues of Circuit Cellar are now available on CDRom. I think the code for the microcontroller is on the Circuit Cellar web site - it uses an Atmel 89C1051 -

<http://www.circuitcellar.com>

The neat thing about this design was that it didn't require a lot of critical tuning since it is microcontroller based. Basically, you just supply an audio tone equal in frequency to your transceiver offset, push a button and the Zerobeat will remember the tone from then on. The indicator has 9 LEDs which indicate the signal offset, with the center LED indicating a zerobeat (within 10 hz) condition.

I use mine all the time but I have to say that a 567 based design would probably be just as useful (although not as fun) and a lot less costly/complicated than the Zerobeat.

Another idea for a zero beat indicator would be to use the software for the PSK31 mode -

<http://aintel.bi.chu.es/psk31.html>

PSK31SBW works with a Windows computer with a 16 bit soundcard. It has a nifty waterfall tuning indicator which might also be useful as a CW zerobeat display - just punch in your transceiver offset frequency and then tune a CW signal in until its centered within the waterfall window - the AFC control should be turned off for this application. You can see an article on PSK31 in the May 1999 issue of QST.

Best Regards,

Chuck Olson, WB9KZY

Jackson Harbor Press - <http://home.att.net/~jacksonharbor>

Date: Fri, 17 Sep 1999 11:07:33 -0400

From: "Ken Simpson" <W8EK@fdt.net>

To: "QRP List" <qrp-1@lehigh.edu>
Subject: [50593] Remote VFO for TS-130, CW filter and other items FS
Message-ID: <011a01bf011e\$5f2a0820\$587bfea9@kensimps>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Any one need a remote VFO for a TS-120 or 130? This one will work with either the V (QRP) version or the S (100 W) version. It is the Kenwood VFO-120, and is in good shape. \$ 129

Other items for sale:

Kenwood YK-88C, 500 Hz CW filter for TS-120/130/430/440 and many others. In the box. \$ 70

Heavy Duty power cord. Fits most Kenwood and Icom HF rigs. Has 6 pin heavy plug (20 amp). New. \$ 20

Kenwood DC-21. Converts 13 V DC to 8 V for the TH-21/31/41 series of HTs. \$ 25

Kenwood ST-2 desk charger for use with TR-2500/TR-2600. Quick charge (about 1.5 hours), plus can be used to power the HT at the same time. Great shape. \$ 70

Kenwood MS-1 mobile charger and stand. Runs off of 13 V DC. Standard charge rate, but also powers the TR-2500/2600 HT. \$ 35

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-Mail to W8EK@fdt.net or W8EK@juno.com
Voice Phone (352) 732-8400

Date: Thu, 16 Sep 1999 11:09:49 -0400
From: Michael Bower <bowerm@ix.netcom.com>
To: qrp-l@lehigh.edu
Subject: [50594] Virginia Beach Hamfest (Sat) eyebal QSO
Message-ID: <37E1083D.6777A9F8@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Is there any interest in QRP-L members having an eyeball QSO during the hamfest? (Sorry for the late notice.)

If so, might I be so bold as to suggest:

Time:10:30 (allows for late arrivals)

Day:Saturday

Place:By the announcers table (assuming there is only one!)

How to recognize? Propeller beanies??? (No, I guess that won't work.)
Got any ideas?

Talk-in channel - some simplex frequency. (I know, lots in use that day.)

Any interest?

Michael - N4NMR

Date: Fri, 17 Sep 1999 08:09:58 -0700
From: Bruce Grubbs <bog@flagstaff.az.us>
To: prvalko@oakland.edu, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [50595] Re: That WaCkY AtOmIC cL0cK!
Message-ID: <3.0.5.32.19990917080958.00a52100@mail.infomagic.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Paul,
In the process of researching a book I wrote on using GPS for hiking, etc.,

I found out that GPS time lags slightly behind UTC. I've forgotten how much... but there's even a term, "GPS Time".

72

Bruce N7CEE

Date: Fri, 17 Sep 1999 11:24:29 -0400
From: Ken Newman <N2CQ@citnet.com>
To: epaqrp-1@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [50596] QRP Contesting This Weekend
Message-ID: <3.0.6.32.19990917112429.008c5350@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CONTEST CALENDAR

September 18-20 1999

~~~~~  
Washington State Salmon Run (CW/SSB) ... QRP Category

Sep 18 - 1200z to Sep 19 - 0700z

Sep 19 - 1200z to Sep 19 - 2400z

Rules: <http://www.eskimo.com/~oolon/wwdxc/salmon.htm>

~~~~~  
Scandinavian Activity Contest (CW) ... QRP Category

Sep 18 - 1500z to Sep 19 - 1800z

Rules: <http://home.sol.no/~jana1me/SAC.html>

~~~~~  
QRP Afield (CW) *** QRP Contest ***

Sep 18 - 1800z to 2400z

Sep 19 - 0700 to 1100 LOCAL TIME

Rules: <http://www.eichhoff.com/neqrp/frame02.htm>

~~~~~  
And later.....  
~~~~~

CQWW RTTY DX Contest ... QRP QRM

Sep 25 - 0000z to Sep 26 - 2400z

Rules: <http://home.sol.no/~jana1me/htmlrules/cqratty.html>

~~~~~  
Scandinavian Activity Contest (SSB) ... QRP Category

Sep 25 - 1500z to Sep 26 - 1800z

Rules: <http://home.sol.no/~jana1me/SAC.html>

~~~~~  
Fireball RUN II (CW) ***** QRPp Contest *****

Sept 25 - 0900 to 1200 LOCAL TIME

Rules: <http://www.njqrp.org/data/fbrun2.html>

~~~~~  
Alabama Heart of Dixie QSO Party (CW/SSB) ... QRP Category

Sept 26 - 1800z to Sept 27 - 0100z

Rules: <http://www.qsl.net/kt4xa/aqp/>  
~~~~~

Ken Newman - N2CQ
Woodbury, NJ
N2CQ@ARRL.NET

~~~QRP Contest Calendar~~~  
<http://www.njqrp.org/data/contesting.html>

~~~ NJ QRP Club Callsign ~~~  
WQ2RP

Date: Fri, 17 Sep 1999 09:41:26 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [50597] good grief!
Message-ID: <Pine.LNX.3.95.990917093632.10194B-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm going to try the list of contributors to the RAC QRP plaques project again....my mind has gone blank and only starts and then dies once in awhile....yuk....maybe it's because Bonnie's in Ontario for 2 weeks?...thank goodness she'll be back for the fox hunts to help me with the Team scores eh!?!....if I don't have everyone listed please let me know....tnx....my apologies....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

...VE6QRP...VE6EWM...K5IUO...VE6AAN...VE6JWA...VE6HQ...NA6E...VE3FUL....

...K10J.....KI0II....VA3SB...K0YWD....VE1INN....VE3HVX..K0EVZ..VA3BIK...

...VE3JC....NA3V.....VE6YC...VE7IVN...

Date: Fri, 17 Sep 1999 10:53:32 cdt
From: wj5o@juno.com
To: QRP-L@LEHIGH.EDU, homebrew@qth.net

Subject: [50598] Help audio transformer
Message-ID: <19990917.105334.-877705.0.WJ50@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi All,

I need help again. Trying to make a CW monitor/sidetone circuit for a QRP rig and I located a circuit using an ARGONNE AR-120 (or equiv).

Is this a 1000 center tap to 8 Ohm type?

I haven't been able to locate any specs for Argonne components.
I would appreciate any assistance in the specs.

72/73 Bill WJ50

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 17 Sep 1999 10:56:48 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: chuck.olson@sbaonline.gov
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [50599] Re: ZERO BEAT INDICATOR
Message-ID: <37E264C0.2D4BA88A@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

chuck.olson@sbaonline.gov wrote:

> Another idea for a zero beat indicator would be to use the software for
> the PSK31 mode -
>
> <http://aintel.bi.chu.es/psk31.html>
>
> PSK31SBW works with a Windows computer with a 16 bit soundcard. It has
> a nifty waterfall tuning indicator which might also be useful as a CW
> zerobeat display - just punch in your transceiver offset frequency and
> then tune a CW signal in until its centered within the waterfall window
> - the AFC control should be turned off for this application. You can
> see an article on PSK31 in the May 1999 issue of QST.

Also, there are several shareware and freeware spectral analysis programs

available that can be used to enable a received CW beatnote to be set to a precise frequency for zero-beating purposes. My favorite is Spectrogram, available free by downloading from Richard Horne.

Contact the author at rshorne@mnsinc.com

This is a professional-grade audio-frequency spectral analysis program that has many uses in the shack. It displays spectra in line, bar and waterfall formats. It enables you to see exactly what the response curves of your receiver filters actually look like.

Highly recommended . . .

72/73, George AMA 98452 R/C since 1964

Amateur Radio W5YR, in the 54th year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

Date: Fri, 17 Sep 1999 16:48:08 +0100
From: Tony Fishpool <g4wif@btinternet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [50600] Pacificon 2000
Message-ID: <199909171556.LAA122158@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Does anyone know the dates of next years event? Within the next month or so, Graham G3MFJ & I will have to book our air tickets if we want to guarantee getting the free upgrade we've saved our air miles for.

73
Tony G4WIF

Date: Fri, 17 Sep 1999 11:21:09 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [50601] RE: SLV 101 Quiz (Follow-up)
Message-ID: <1.5.4.32.19990917162109.00a48bc4@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ade,

Wow! Great quiz! But, I'm not sure what antenna you built and tested. It's certainly an intriguing design though definitely not the SLV!

I should know since the SLV is a personal project. To that add that I probably have more "stick time" on this particular portable antenna than anyone on the planet.

If you don't have the issue of QRP where my original article was reprinted it's still available on NorCal's web site under "Projects".

To save you the trouble I've taken the liberty of a quick recap. My SLV features a baseloaded coil with 51' of RS 15-004 twinlead. The coil is shorted at the top and at the bottom. The radiator is 16' of shorted twinlead. The antenna uses three 20' folded twinlead radials. It's fed with 300 ohm twinlead.

Readers may wish to compare the antenna you built and tested with the original SLV so we are all on the same page. Here is an extract:

Hi gang:

Recall the basic original SLV -- a 20-ft piece of twinlead, conductors shorted at the top, and the unfed side cut 6-ft from the bottom to produce 34-ft of continuous radiator (20 up, 14 down). The feedline is attached to the uncut side of the twinlead and connected to the transmitter through an antenna tuner for a 1:1 SWR. To switch bands, just retune the transmitter and ATU for a 1:1 SWR and go for it.

Now, for the quiz.

I could have save you from thoroughly embarsssing yourself with this unusual post had you given me an opportunity to read over the questions beforehand. My response to your SLV 101 Quiz is add "none of the above" to each questions for a reason that should be obvious.

Just so you know, I retired the original SLV last year for a better portable vertical. The St. Louis Express is now my antenna of choice. St. Louis Radials are always under it. I designed both of those projects too. When you hear me on this weekend for QRP Afield I'll be on this setup running one watt! Hope to work you, Ade!

Maybe it's just me being sort of a hands-on type and decidedly non-technical. However, I've always felt that testing antennas on the air and evaluating those results subjectively is a more reliable measure of actual performance than running numbers in a software package.

I assume you have already built the SLX and the SLR sets (both types) that will be featured in the follow-on 101 quizzes. Further, that you have actually tested both projects on the air before reaching conclusions.

Are these fair assumptions or is there something else you would like to share with us.

Regards,

de Dave, NF0R nf0r@slacc.com

Date: Fri, 17 Sep 1999 10:47:49 -0700 (PDT)
From: "Jack Oakland, CA" <w6abc@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [50602] Wanted: OHR WM-2
Message-ID: <19990917174749.2347.rocketmail@web130.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Just want to know if anyone has an Oak Hills Research
WM-2 Wattmeter that they would like to sell? Thought
I'd check here before placing an order for a new one.
Thanks and 72,
Jack

Do You Yahoo!?
Bid and sell for free at <http://auctions.yahoo.com>

Date: Fri, 17 Sep 1999 10:46:18 -0700
From: Ed Loranger <we6w@qsl.net>
To: qrp-1@lehigh.edu

Subject: [50603] Declining Nerd Factor, Pacificon Fun. 10 MHz OCXO's
Message-ID: <37E27E6A.2666C999@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Great friends, Happy Friday!

Needless to say, the Nerd Factor at QTH WE6W has dropped a notch since I began rebuilding this van from parts. Besides using my bicycle brake cable as a plumber's snake to clear out the PVC tubing, I've played hell trying to find a real Vacuum Line routing diagram somewhere. Not possible. Perhaps the smog-check station will give up a copy, I doubt it. "Mr. Loranger, there's so many variables and configurations, make an appt. and....." Appoint this!

So, it's back under the hood measureing vacuum signals and decoding what/where/when and at what temperature... So the QSO rate here during breaks is averaging only 2 to 3 a night -- with grease under my fingernails :)

I did get to play with the 10 MHz Oscillator(s) though so I'm not losing all my nerd-ness :)

Then Doug/KI6DS posts a change to the Pacificon fox hunt and darn near got me to order the kits and schedule a day off for that Friday fun. Not having to build the RX and TX there is quite alluring. More time for fun.

After participating earlier this year in the Dummy Load Night fun-test, I'd be a ringer for this one :) I don't know who is going to have the most fun, players or those watching from the sidelines. Har! That ought to fill up the Nerd-Factor gas tanks for everyone.

But alas, Shannon and I can only make the day of Saturday until lights out. So a redemption of my nerd factor will rest with Saturday's activities. We are looking forward to Oct. 16th.

The 10 MHz Precision oscillator deal went over surprizingly quietly. I asked for serious respondents only and the oscillators went to homes where they will be used and not to gather dust. The deal for the oscillators was

the exact same deal as the smart chargers of last year.

It's been a busy week gang and a busy weekend upcoming. Lots of K2 building on Saturday/Sunday so will skip the QRP Afield contest, which I'd have done if the WX was better.

72 to all and have a nice weekend.

Ed/WE6W

--

-Ed AR Millennium Q's=>1200/2000 QRP-L#1068 Old NC#2227
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275

Date: Fri, 17 Sep 1999 10:50:00 -0700
From: "Kory Hamzeh" <kory@avatar.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [50604] OT: RE: That WaCkY AtOmIC cLOcK!
Message-ID: <001501bf0135\$0fe4a380\$14ce21c7@tomcat.avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

After several days, my clock has not synced up yet. I usually get 2 to 4 bars on the "s-meter", but no sync'ing yet. Is there anything I can do to improve the reception of the WWV signal? Short of taking the radio out of the shack to a hill top! :-)

Thanks,
Kory
AC6RN

Date: Fri, 17 Sep 1999 11:02:02 -0700 (PDT)
From: "Jack Oakland, CA" <w6abc@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [50605] WTB: OHR WM-2 Wattmeter
Message-ID: <19990917180202.3408.rocketmail@web126.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi, I'd like to know if there is anyone who would like to part with an OHR WM-2 Wattmeter? Thought I'd check here first before ordering a new one.

Thanks and 72,
Jack

Do You Yahoo!?
Bid and sell for free at <http://auctions.yahoo.com>

Date: Fri, 17 Sep 1999 13:20:03 cdt
From: wj5o@juno.com
To: homebrew@qth.net, TENTEN-L@LEHIGH.EDU, QRP-L@LEHIGH.EDU
Subject: [50606] ID Bird Wattmeter Help
Message-ID: <19990917.132006.-1020489.0.WJ50@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi All,
Seems to be no end to my needing help. The answers to most of the Radio questions are subscribers to radio reflectors- - I know where the knowledge is.

I have an estate new looking Wattmeter Model 6250 Bird Electronic Corp
Manufactured Sept '56 sn 1145 (military surplus)
The meter is marked 0 - 250 and says MILLIWATTS
30-500MC Bird Electronic Corp. Has a BNC connector on the right side.
Inside the "back door" the meter says "sealed do Not Open"
A short CO-AX to a square "casting like block" that has a short cylinder protruding from one end. The opposite end has the "outside" BNC connector.

Is anyone familiar with this piece of test equipment?
Does BIRD have a Web site?

I would appreciate any consideration given.

73 Bill "Sparkling City by the Sea" WJ50/B 28.289MHz
Corpus Christi, Texas

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!

Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 16 Sep 1999 09:42:12 -0400
From: Bill B Lazure <n2tpa@juno.com>
To: qrp-1@lehigh.edu
Subject: [50607] Re: The Black Cat Tuna Tin 2 Event
Message-ID: <19990917.143041.7614.0.N2TPA@juno.com>

Does this mean there will not be a NORCAL Zombie Shuffle this Halloween?

W2EB

Bruce Muscolino writes:
>ARRL Hosts the QRP ARCI for a Black Cat Halloween Special Event
>
>On October 30 and 31,

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 17 Sep 1999 13:33:58 -0500
From: "Junius Fox" <w5hir@ghg.net>
To: <qrp-1@lehigh.edu>
Subject: [50608] Memory Upgrade
Message-ID: <001b01bf013b\$35085520\$04af90d0@FOX>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone out there in this wide world have a DRAM upgrade for a VELO 1 HPC? If so pse e-mail me .

Regards,

Foxy w5hir@ghg.net

Date: Fri, 17 Sep 1999 14:50:32 -0400

From: "Richard Hensel" <rrhensel@sprintmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [50609] Simpson 265
Message-ID: <000401bf013d\$85067910\$0317e590@nosrrhensel>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All;

I was given a damaged Simpson 265 multimeter.

The only damage appears to be to the case (cracked and will no longer hold the meter assembly) and the battery holders inside.

What I need to know is, what batteries were in this beauty. I plan to use it as a mounted bench meter as I dearly love analog meters.

Thanks

Richard Hensel
SPRINT
rrhensel@sprintmail.com
n8wlc@arrl.net

When you have a hammer in your hand ...
 The whole world looks like a nail.

Date: Fri, 17 Sep 1999 11:53:20 -0700
From: "Radman" <radman@best.com>
To: <wj5o@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [50610] Re: ID Bird Wattmeter Help
Message-ID: <199909171852.LAA18402@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Bill,

Try the Bird URL: <http://www.bird-electronic.com/home.htm>

GL es 72,

Conrad - NN6CW

///snip///

>>Does BIRD have a Web site?<<

I would appreciate any consideration given.

73 Bill WJ50/B 28.289MHz

Date: Fri, 17 Sep 1999 15:11:54 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrp1_Submit (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [50611] RE: BATTERY RATING QUESTION
Message-ID: <21E06269B00ED111BE9B00805F6D0FA3BBE095@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

Alan... you did ask a reasonable question and interestingly enough got three good partial answers and one that simply restates your question with and some assumptions and more questions.

I had a similiar personal situation that occurred with me a few weeks ago. I was trying to determine what type and how many battery cells I would need to power a small contest QRP for just the duration of the contest. With the objective being minimal battery weight.

Checked the ARRL handbook but didn't see anything. Checked the famous Paul Harden "Data Book for QRPers and Homebrewers"(my daily bible) , Nada. Finally started surfing the web and did find specific info from the various battery manufacturers: Duracell, Ever-ready, etc. And even found the Whitrook table. Bingo, printed, cut off and taped into my Databook.

Now I don't know if you have ever shorted out a D Cell using heavy wire but it will generate a lot of heat for a while. The answer to your question is YES will will be a 14 mAH power source (RATE) for a short time but your use will determine how long this setup will offer useful voltage and current.

For example the Duracell table for the MN1300 Alkaline-Manganese Dioxide Battery D-Cell:

Rated Capacity 15,000 mAh at 10 ohm to 0.8v/cell at (70 degrees F) The graph indicates about 130 hours @ 115 mA = 14.95 Ah

Their graph stops at a 2.2 ohm load to 0.8v/cell(475 mA) showing about 20 service hours.

So using their graphs and knowing your load requirements you can determine how long you should be in business at least down to 0.8 volt/cell or $8 \times .8v = 6.4v$ olts

BTW if you stop using the battery pack at the 115 mA rate when the individual cell gets to 1.2v (pack = 9.6v) then the time drops to about 70 SERVICE HOURS.

Sam Billingsley AE4GX
Atlanta (Buckhead), GA
personal web page at <http://ae4gx.home.mindspring.com/>
North Georgia QRP Club web page at <http://www.qsl.net/nogaqrp/>

Subject: BATTERY RATING QUESTION
ARDUJENSKI@aol.com
Date: Wed Sep 15 1999 - 11:38:47 EDT

At the WHITROOK site (<http://electronicsusa.com/batteryinfo.html>) there is info for Alkaline and NiCd batteries on ratings. For example a D-cell is rated for 14,000 mAh. Am I correct in assuming that if I series 8 of these I

will have a 12V 14 Ah power source? Alan KB7MBI

Date: Fri, 17 Sep 1999 15:48:44 EDT
From: charles k brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [50612] Bird Electronics Corporation
Message-ID: <19990917.194658.7687.2.n4so@juno.com>

Bird Electronics Corp.
30303 Aurora Rd.
Cleveland, OH 44139

216-248-1200

Bird should be the source of your info.

Ken Brown N4SO
Mobile, AL/EM50tk
NorCal-20/5 watts/4 ele. beam

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Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 17 Sep 1999 13:05:48 -0700 (PDT)
From: "Jack Oakland, CA" <w6abc@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [50613] test ignore
Message-ID: <19990917200548.27595.rocketmail@web124.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

test

Do You Yahoo!?
Bid and sell for free at <http://auctions.yahoo.com>

Date: Fri, 17 Sep 1999 13:12:47 -0700 (PDT)
From: "Jack Oakland, CA" <w6abc@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [50614] Want:OHR WM-2 Wattmeter
Message-ID: <19990917201247.28448.rocketmail@web124.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

If anyone has one they would like to part with please
let me know. I thought I'd check before I order a new
one.
72,
Jack

Do You Yahoo!?
Bid and sell for free at <http://auctions.yahoo.com>

Date: Fri, 17 Sep 1999 13:19:33 -0700
From: "Howard" <howardw7ilw@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [50615] Test
Message-ID: <199909172019.NAA26639@penguin.prod.itd.earthlink.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Test

Date: Fri, 17 Sep 99 16:22:27 -0400
From: chuck.olson@sbaonline.gov
To: qrp-1@lehigh.edu
Subject: [50616] ZERO BEAT INDIC
Message-ID: <9909171622.A9125wk@sbaonline.gov>
Content-Type: text

FR>I could not get this link to work: <http://aintel.bi.chu.es/psk31.html>

Folks -

Sorry for the typo, the link to the PSK31 site should be:

<http://aintel.bi.ehu.es/psk31.html>

Best Regards,

Chuck Olson, WB9KZY
Jackson Harbor Press - <http://home.att.net/~jacksonharbor>

Date: 17 Sep 1999 16:31:12 -0400
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: nkennedy@cswnet.com
Cc: qrp-1;;
Subject: [50617] Re: Headphones [connections]
Message-ID: <1999Sep17.163112-0400@[130.113.234.7]>

Nick Kennedy asks if wiring stereo headphones in series automatically causes 180 degree phase relationship between the two earpieces. Here's a clarification....

I'm assuming that you're *NOT* modifying any part of the headphone earpieces, cable or phono plug. Then there's only one way to drive stereo phones in series, and you DO end up with 180 degree phasing:

If your audio amp is single-ended (that means it has one "hot" terminal, while the other terminal is ground) then you have no choice but to isolate the (female) phone jack from the rig's chassis. Then you connect the "hot" terminal to the jack's TIP connection point - and you connect the jack's RING connection to audio ground. The phone jack's BARREL connection must float because it'll end up with half-audio voltage on it.

If your audio amp has an output transformer with a separate secondary winding, then it may be possible to wire the phono jack in a series connected way, without having to float the jack's ground (BARREL) connection. But you'll STILL end up with 180 degree earpiece phasing. In this case you'd simply connect one of the secondary winding leads to the TIP, and the other secondary winding lead to the RING. You must ensure that there's no other path to ground from that secondary winding, unless its a center tap - that's OK.

Either series-connected method described above will also drive MONO headphones (on a plug with only TIP and BARREL connections) with no problems. If you wire up stereo headphones as described above, and you want to avoid the 180 degree phasing setup, then you've gotta modify the headphones (either at the plug, or at one of the earpieces). You'd simply reverse the wires on one of the earpieces, or reverse one of the wire pairs at the plug. But then your HEADPHONES WON'T BE GOOD FOR OTHER USES, like on your stereo or CD or tape player - only on your ham radio.

So that describes the series-connected stereo headphones.

You can parallel-connect a stereo jack and you'll automatically get zero degree phasing. The penalty is that the audio amp will see a rather low load impedance. But at least you can use your stereo phones on ALL your audio equipment without modifying the headphones.

In this case, your audio amp "hot" terminal goes to the output jack's TIP and also to the jack's RING. BARREL goes to ground.

Note that if you plug in MONO phones, having

a plug that only has TIP and BARREL (no RING), you won't hear anything, because the audio is shorted to ground....the jack's RING connection see's the BARREL of the mono plug. Not good for your audio amp!

Here's a troubleshooting scenario: You've tried to wire your (stereo) jack in a series-connected way, with "hot" terminal to TIP and "ground" terminal to RING. Plug in the phones, and get audio only on one ear. What's wrong? Likely the BARREL is not properly ground-isolated.

Date: Fri, 17 Sep 1999 16:35:17 -0400
From: "A. Jenkins" <beaks@westco.net>
To: "QRP-L" <QRP-L@Lehigh.edu>
Subject: [50618] 20 meter rig
Message-ID: <003901bf014c\$278c1f60\$21dc0bd0@beaks>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello all, does anyone have a small 20 meter rig or kit they would like to find another home for? Maybe something like an SWL or NorCal or whatever. Just need a small rig for trips to the park and such. Please email me direct... beaks@westco.net
Thanks!!
Arch N8EAG

Date: Fri, 17 Sep 1999 16:58:14 EDT
From: K2UD@aol.com
To: prvalko@oakland.edu
Cc: qrp-l@lehigh.edu
Subject: [50619] Re: That WaCkY AtOmIC cLOcK!
Message-ID: <3cc0ba76.25140566@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

The Group Buy, was that the original NorCal 40?

The clock. In my area I get a single bar of signal strength (say that 3 times fast) and the clock is either very accurate on it's own, or it is receiving WWVB very well indeed!

I have another single bar, but my daughter wants to eat it. Then there is the single bar down the street.....

72

Howard Kraus, K2UD

Date: Fri, 17 Sep 1999 17:28:17 -0700
From: "Hanson Family" <hansfam@midcoast.com>
To: <qrp-1@lehigh.edu>
Subject: [50620] Newbie VE3DNL MG Questions...
Message-ID: <000d01bf016c\$b4bf60c0\$2ee11ace@hansfam>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

New to kit building. Have VE3DNL Freq. Marker Kit-
-How do I turn the trimmer cap?
-Where/what is pin#9?
-If I tune to WWV on the 30 meter band, and zero-beat
MG to tone on 10000.00-will I be calibrated for 10 KHz
on the MG?
-Any enclosure ideas?

Told you I was new.

Thanks,
Steve KE1LG

Date: Fri, 17 Sep 1999 15:46:52 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>
Subject: [50621] QRPp Spring - page 74
Message-ID: <Pine.LNX.3.95.990917154154.8931A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

.....picture this...."dead mouse holder".....HAR! HAR! HAR! HAR!
HAR! HAR! HAR! HAR! HAR! HAR! HAR! HAR! HAR! HAR! HAR! HAR! HAR!
.....let's see, 9 more days and Bonnie's home...will I make it?

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

Date: Fri, 17 Sep 1999 14:51:47 -0700 (PDT)
From: Christian Void <cvoid@netcom.com>
To: Brian Murrey <brian@iquest.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [50622] Re: Antenna Tuners
Message-ID: <Pine.3.89.9909171400.A17780-01000000@netcom3.netcom.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 16 Sep 1999, Brian Murrey wrote:

> I built my Emtech ZM-2 tuner last year and I still love it.
>
> Coax or wire...it does it all...I think you could load up a
> lawn chair with this tuner.

i totally agree! except for some reason i can't tune up my multiband
dipole on 40m with it! it will tune 80m on the thing (it is super short)
but no 40m! it really bums me out because when 20 goes down and i have
to turn off the ohr-100, i have to go to the ts-940s/at to tune up into
my antenna cause the zm won't match it! hrmm... maybe someone on the list
can set me straight. :)

Date: Fri, 17 Sep 1999 18:04:58 -0400
From: "Ken Simpson" <W8EK@fdt.net>
To: "QRP List" <qrp-l@lehigh.edu>
Subject: [50623] TenTec QRP goodies FS
Message-ID: <03a801bf0158\$c5f3c3e0\$587bfea9@kensimps>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a variety of TenTec goodies for sale.

TenTec 525 Argosy transceiver. This is the rig that

TenTec made that has a switch for either 5 or 50 watts output. Of course many people have added an adjustment to make that 5 watts go even lower. It has full QSK on CW, and a great sounding receiver. This one has the 226 xtal calibrator in it, and also has had the original 4 pole filter replaced with the better model 220 eight pole filter. Manual included for \$275.

TenTec 224 audio CW filter. Adds several stages of additional filtering to the Argosy. Paper work included for \$40 by itself, or \$35 if purchased with the Argosy.

TenTec 223 noise blanker for the Argosy. Paper work on this one also for \$45 by itself, or \$ 40 with the Argosy.

TenTec 225 Power Supply. Good for 9 or 10 amps at 13 V DC. Powers the Argosy, or can be used with other radios. Includes over voltage and over current protection. Manual included for \$ 100.

TenTec 705 desk microphone. Can be used with virtually any TenTec rig, and many others. It is an electrolet condenser mic, so it has very good audio response. With manual for \$ 50.

TenTec 218 filter, 1800 Hz, for 9 MHz IF. Can be used in the Argosy, Omnis, and any of the TenTec rigs using a 9 MHz IF. In the box, for \$ 70.

TenTec 252 power supply, 20 amp, 13 V DC supply. With ammeter and speaker. Matches the Triton series in color and styling. \$ 100

TenTec 280 heavy duty 20 amp, 13 V DC power supply ammeter, manual, presently has connector for Kenwood/Icom, but can easily be changed to whatever connector is needed. With manual for \$ 135.

TenTec 255 heavy duty deluxe 20 amp, 13 V DC supply. Speaker and ammeter included. Matches the Omni Series A, B, and C. With manual for \$ 150.

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-Mail to W8EK@fdt.net or W8EK@juno.com
Voice Phone (352) 732-8400

End of QRP-L Digest 1582

